


STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT <input type="checkbox"/>				
APPLICATION FOR PERMIT TO DRILL						1. WELL NAME and NUMBER Ute Tribal 12-02-E4				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT BRUNDAGE CANYON				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME				
6. NAME OF OPERATOR PETROGLYPH OPERATING CO						7. OPERATOR PHONE 208 685-7685				
8. ADDRESS OF OPERATOR 960 Broadway Avenue, Ste 500, Boise, ID, 83703						9. OPERATOR E-MAIL ppowell@pgei.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) 1420H624744			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE <input type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN') Ute Indian Tribe			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL		FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN		
LOCATION AT SURFACE		152 FNL 1169 FEL		NENE	12	5.0 S	4.0 W	U		
Top of Uppermost Producing Zone		660 FNL 1980 FEL		NWNE	12	5.0 S	4.0 W	U		
At Total Depth		660 FNL 1980 FEL		NWNE	12	5.0 S	4.0 W	U		
21. COUNTY DUCHESNE			22. DISTANCE TO NEAREST LEASE LINE (Feet) 152			23. NUMBER OF ACRES IN DRILLING UNIT 480				
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 933			26. PROPOSED DEPTH MD: 7663 TVD: 7541				
27. ELEVATION - GROUND LEVEL 5909			28. BOND NUMBER LPM4138336			29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-8342				
Hole, Casing, and Cement Information										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
Cond	20	14	0 - 53	5.0	Unknown	10.0	Class G	25	1.17	15.8
Surf	12.25	8.625	0 - 493	24.0	J-55 ST&C	10.0	Class G	226	1.17	15.8
Prod	7.875	5.5	0 - 7663	15.5	J-55 LT&C	10.0	Class G	476	1.86	12.5
							Class G	583	1.46	13.4
ATTACHMENTS										
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Ed Trotter				TITLE Agent			PHONE 435 789-4120			
SIGNATURE				DATE 08/21/2013			EMAIL edtrotter@easilink.com			
API NUMBER ASSIGNED 43013524000000				APPROVAL  Permit Manager						

CONFIDENTIAL
NINE POINT DRILLING PLAN
PETROGLYPH OPERATING COMPANY, INC
UTE TRIBAL 12-02-E4
NE NE, SEC 12, T5S, R4W
DUCHESNE COUNTY, UTAH

1. ESTIMATED TOPS OF IMPORTANT GEOLOGICAL MARKERS:

Formation	Elevation	TVD	MD
Rig KB=~13' above GGL	5922	0	0
Surface Formation = Uinta			
Uinta	5909	13	13
Green River	4758	1164	1166
Trona	3425	2497	2541
Mahogany Shale	3273	2649	2702
"B" Marker	2139	3783	3885
"X" Marker	1641	4281	4397
Douglas Creek Marker	1494	4428	4546
"B" Limestone	1099	4823	4944
Base Castle Peak Limestone	559	5363	5485
BSCARB	157	5765	5887
Wasatch	-119	6041	6163
Formation at TD: Wasatch Rig TD	-1619	7541	7663

2. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERAL FORMATIONS:

Substance	Formation	Elevation	TVD	MD
Base of moderately saline ground water*	not present	6000	NA	NA
Oil/Gas	Douglas Creek	1494	4428	4546
Oil/Gas	Castle Peak	559	5363	5485
Oil/Gas	Wasatch	-119	6041	6163

Any water encountered during drilling shall be sampled, analyzed and reported to the BLM Vernal office using State of Utah DOGM Form 7 *Report of Water Encountered during Drilling*. The following analyses shall be performed on any water encountered:

Flow rate (or blowtest)	Temperature	pH	TDS
Dissolved Iron	Dissolved Magnesium	Dissolved Bicarb.	Dissolved Sulfate
Dissolved Calcium	Dissolved Sodium	Dissolved Carbonate	Dissolved Chloride

All depths through the "Base of moderately saline ground water"*, along with any water encountered below that depth which is less than 10,000 TDS, shall be protected by the surface casing or by lifting the cement of the production casing into the surface casing.

*Base of Moderately Saline Groundwater from Howells, Longson and Hunt, 1981, Utah State Technical Publication 92: The Base of the Moderately Saline Water in the Uinta Basin, Utah



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3. PROPOSED CASING PROGRAM:

String	Hole	Casing	Top - MD	Bottom - MD	Weight lb/ft	Grade	Thread
Conductor	20"	14"	surface	53'	steel	Cond'r	none
Surface	12-1/4"	8-5/8"	surface	493'	24	J-55	STC
Production	7-7/8"	5-1/2"	surface	7663'	15.5	J-55	LTC

String	Hole	Casing	Collapse	Burst	Tensile
Surface	12-1/4"	8-5/8"	1,370 psi	2,950 psi	244,000 lb
Production	7-7/8"	5-1/2"	4,040 psi	4,810 psi	248,000 lb

- All casing will be new or inspected.
- The surface and production strings shall have a minimum of one (1) centralizer on each of the bottom three (3) joints.
- The production string shall have a minimum of one (1) centralizer for every three (3) joints from TD to the top of the "B" marker at 3885' MD.

4. PROPOSED CEMENTING PROGRAM:

String	Top	Cement Description	Sacks	Excess	Weight (ppg)	Yield (ft³/sk)
	Bottom		Vol (ft³)			
Conductor	0 ----- 53	Construction Grade Cement	Sufficient volumes to grout Conductor			
Surface	0 ----- 493	Class G +2% CaCl2 +0.25 lb/sk Cello Flake	226 ----- 264	30%	15.8	1.17
Production Lead	0 ----- 3885	EXPANDACEM (Class G +additives) + 1 lb/sk Granulite TR¼ (LCM)	476 ----- 875	30%	12.5	1.84
Production Tail	3885 ----- 7663	EXPANDACEM (Class G +additives) + 1 lb/sk Granulite TR¼ (LCM)	583 ----- 851	30%	13.4	1.46

- The 8-5/8" surface casing shall be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.
- The 5-1/2" production casing shall be cemented back to surface. In the event that during the primary cementing operation the cement does not circulate to surface, a remedial cementing operation shall be performed only if necessary to lift cement above the Surface Casing Shoe at 493' MD.

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5. MINIMUM PRESSURE CONTROL AND SAFETY EQUIPMENT:

- An 8", 2000 PSI, Double Ram BOPE with Hydraulic Closing Unit shall be used.
- The flowline shall have a minimum diameter of 10".
- Auxiliary equipment shall be a Kelly Cock, Bit Float, and a TIW valve with drill pipe threads.
- Spark arrestors shall be equipped on all engine exhausts within 100 feet of the wellbore.
- See attached 2,000 psi BOP schematic diagram.

BOPE TESTING PROCEDURE:

- The BOPE shall be tested by a professional tester to conform to the standards of Onshore Order #2.

6. MUD PROGRAM:

A. SURFACE HOLE

- The surface hole will be drilled with an air/mist system from 0' to 493'. All cutting shall be directed to pit.
- A trailer-mounted compressor with a capacity of 2000 CFM will be used. Compressor will have a safety shut-off valve located less than 15 feet from the driller's controls of the rig.
- The rat and mouse holes will be drilled with the air rig after surface casing is cemented.
- The 140 barrel water truck used with the deduster will be the source of kill fluid in the highly unlikely event of pressure being encountered during drilling of the surface hole.
- Operator requests the following variances from Onshore Order 2 part E during drilling of the surface hole. Operator will use air drilling techniques only on surface hole:
 - Operator requests a variance to regulations requiring the blooie line discharge to be 100' from the wellbore. Due to reduced location size, the blooie line discharge will be approximately 75' from the wellbore and securely anchored.
 - Operator requests a variance to regulations requiring an automatic igniter or continuous pilot light on the blooie line. A mister shall be on the end of the blooie line.
 - Operator requests a variance to regulations requiring compressors be located in the opposite direction from the blooie line; a minimum of 100' from the wellbore. Due to the reduced location size, the compressors shall be located as close as is reasonable to the opposite direction from the blooie line and 75' from the wellbore.
 - Operator requests a variance to regulations requiring a BOPE on the hole when drilling the surface hole. An air bowl shall be utilized on the diverter system in place of a BOPE.

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B. PRODUCTION HOLE

- The production hole shall be drilled with a freshwater polymer system from 493' to 7663'. LSND mud if conditions warrant.
- Clay inhibition and hole stability shall be achieved with a Diammonium Phosphate (DAP) additive or similar source of clay-stabilizing ions. Anticipated mud weight is 8.3-8.8 lbs/gal. although mud weight up to 10lbs/gal may be used if necessary to prevent wellbore wall instability due to the planned inclination of the well.
- All cuttings and circulating medium shall be directed into the reserve pit. Total Dissolved Solids (TDS) are anticipated to be less than 3000 PPM.
- Sufficient mud inventory will be maintained on location in either tanks or the reserve pit during the drilling of the production hole to handle any adverse conditions that may arise.
- If necessary to control formation fluids or pressure, the system will be weighted with the addition of bentonite gel, and if pressure conditions warrant, with barite. Enough material shall be maintained on location to allow for the mudweight to be raised to 10.5 lbs/gal should need arise.
- During drilling operations, pit levels and flow from the well shall be monitored by instrumentation to include at least: a pit volume totalizer (PVT), a stroke counter, and a mud-flow indicator.
- A mud-gas separator shall be available on location.

C. HAZARDOUS MATERIALS AND POLLUTANTS

- Chromate additives **shall NOT** be used in the mud system on Indian lands without prior BLM approval to ensure adequate protection of freshwater aquifers.
- Chemicals subject to reporting under SARA Title III in an amounts equal to or greater than 10,000 pounds annually **shall NOT** be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completion of this well.
- Extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities **shall NOT** be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completion of this well.
- Hazardous substances specifically listed by the EPA as a hazardous waste, as defined in 40 CFR 261 (D), or any substances that through their use would lead to the generation of a hazardous waste, **shall NOT** be used in association with the drilling, testing, or completion of this well.



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7. EVALUATION PROGRAM:

Logs:	Triple Combo	TD to base of surface casing (AIT, DSN, CDL) Base of surface casing to surface (GR only)
Cores:	None planned	
DST:	None planned	
Testing:	Operator plans no testing until the completion phase of the well.	

8. ANTICIPATED ABNORMAL PRESSURE OR TEMPERATURE:

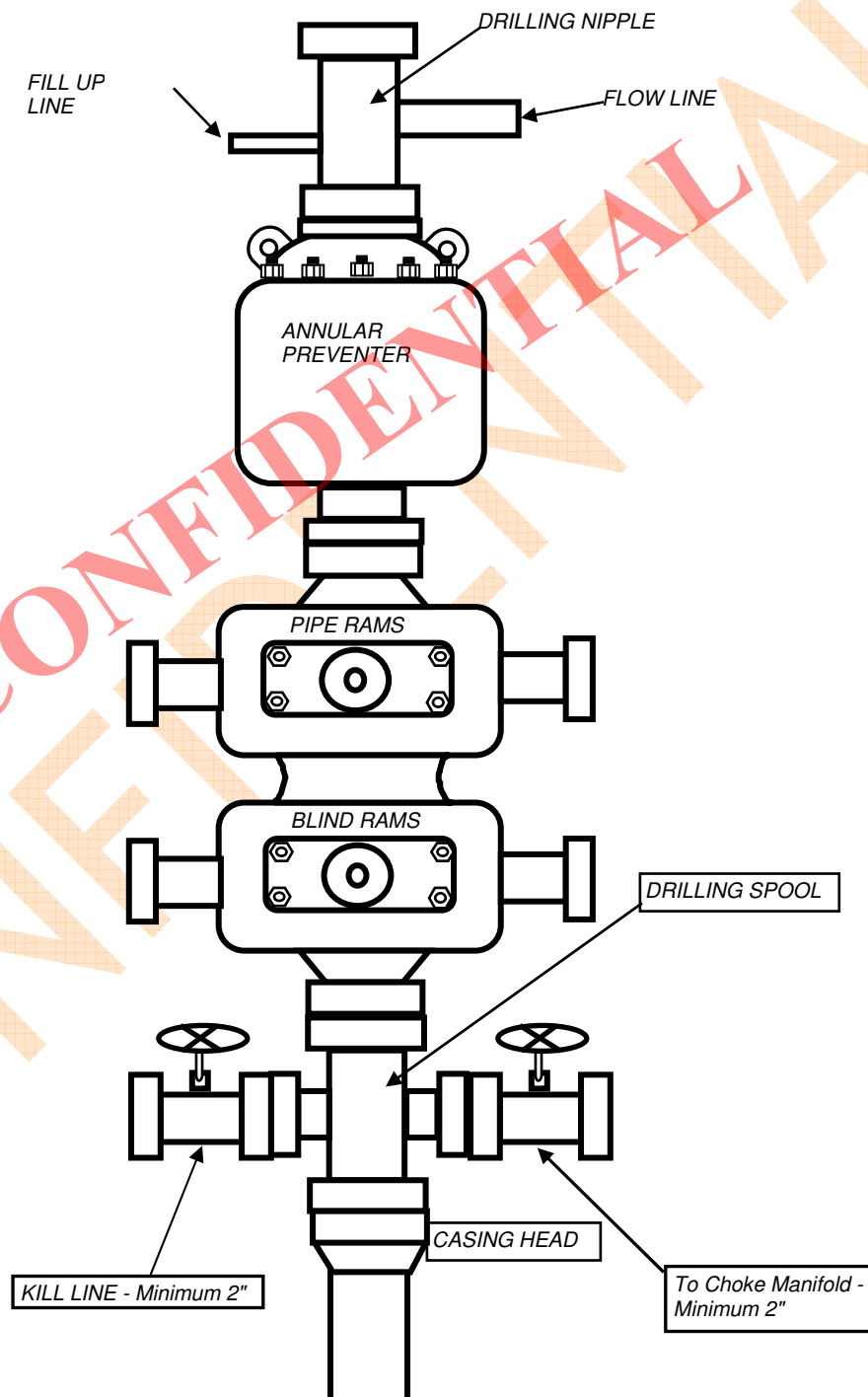
- Operator anticipates Bottom Hole Temperatures below 150°F, the maximum temperature for DAP drilling fluids.
- No H₂S has been encountered or is known to exist from previous drilling in the area at this depth.
- Maximum pressure for hydrocarbon bearing zones at native conditions in this area is approximately 1916 PSI (0.25 PSI/ft gradient).
- There exists in the area an abnormally pressured zone, at the approximate depth of the Trona marker (2541' MD). Pressure gradients up to 0.43 PSI/ft can be expected.

9. DIRECTIONAL WELL PLAN:

- Well shall be drilled directionally in order to limit surface disturbance.
- A Positive Displacement Motor with a bent sub of 1.25° to 1.75° will be used to control well path.
- A directional survey shall be taken at least one (1) time per 100' of drilling.
- Anti-collision equipment will not be used as there are no existing wells in the vicinity of the proposed well path.
- Directional drilling plan is attached.

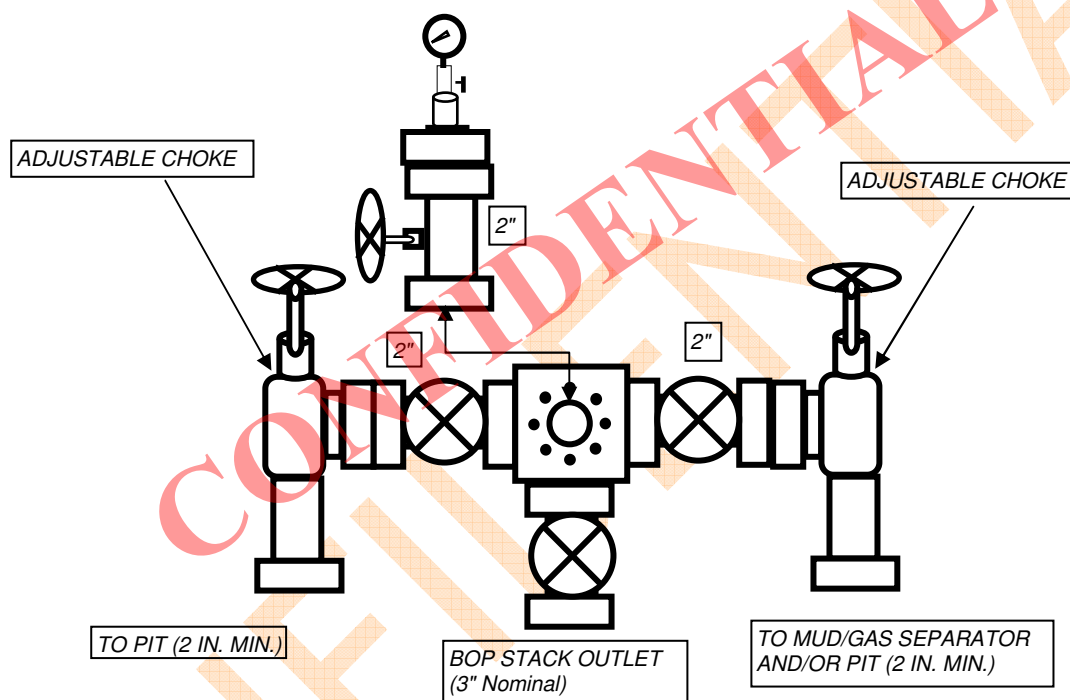
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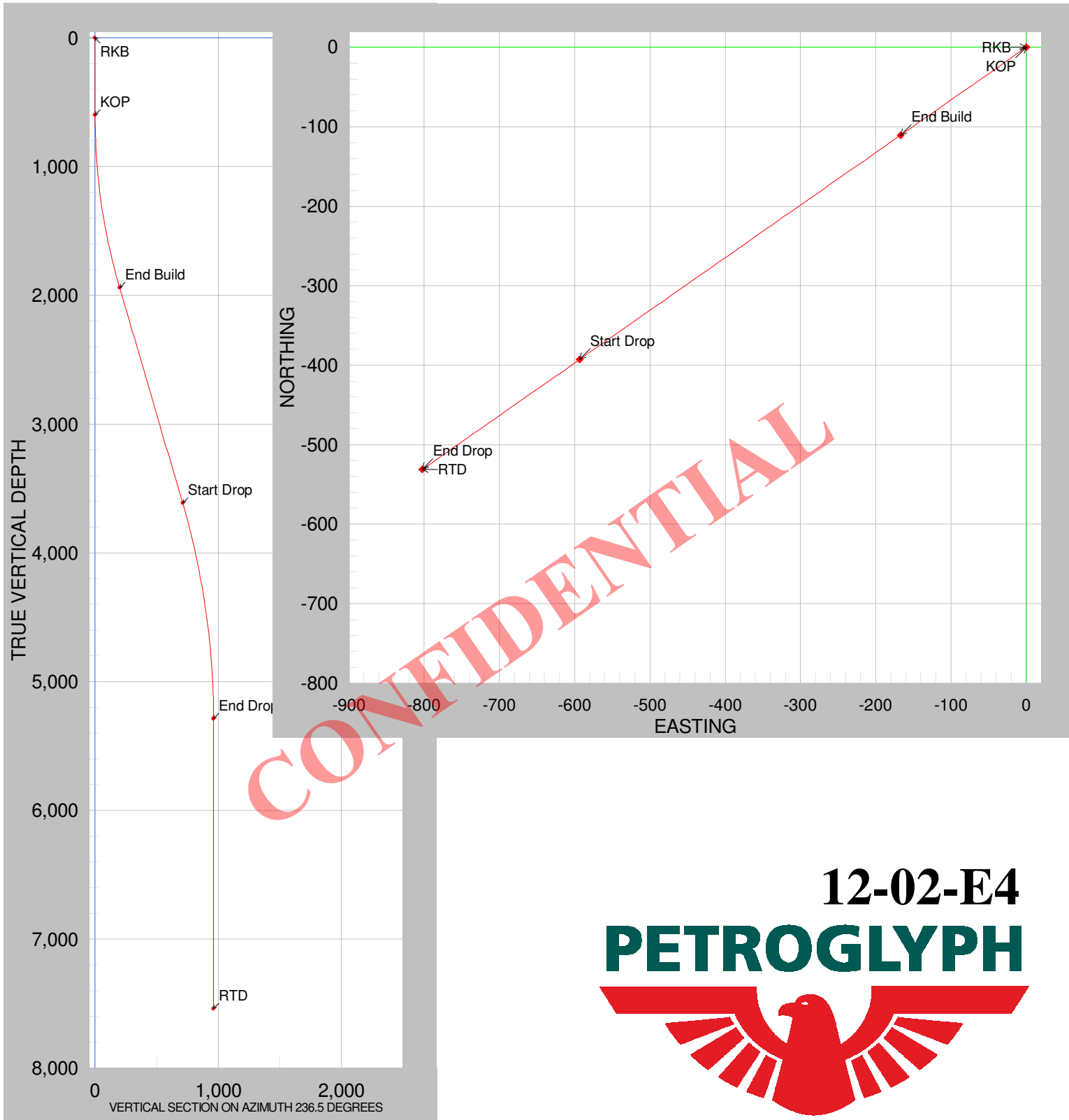
TYPICAL BLOWOUT PREVENTER



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TYPICAL CHOKE MANIFOLD





12-02-E4
PETROGLYPH



#	Reference	Type	MD	Inc	Azi	TVD	N	E	DLS	Vert S
0	RKB	Tie Point	0.00	0.00	0.00	0.00	0.00	0.00		0.00
1	KOP	Vertical	600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00
2	End Build	Build	1960.00	17.00	236.50	1940.13	-110.54	-167.01	1.25	200.28
3	Start Drop	Tangent	3710.00	17.00	236.50	3613.67	-392.94	-593.67	0.00	711.93
4	End Drop	Drop	5410.00	0.00	0.00	5288.83	-531.12	-802.44	1.00	962.29
5	RTD	Vertical	7663.00	0.00	0.00	7541.83	-531.12	-802.44	0.00	962.29

12-02-E4, Plan 1

12-02-E4, Plan 1										
Operator		Units		15:55 Thursday, August 08, 2013 Page 1 of 5						
Field		feet, %/100ft								
Well Name		County		Vertical Section Azimuth 236.5						
12-02-E4		State		Survey Calculation Method Minimum Curvature						
Plan 1		Country		Database Access						
Location				SHL: 152' FNL & 1169' FEL BHL: 660' FNL & 1980' FEL				MapZone		Lat Long Ref
Site						SurfaceX		Surface Long		
Slot Name		UWI				SurfaceY		Surface Lat		
Well Number		API				Z Datum				
Project						Surface Z		Ground Level		
DIRECTIONAL WELL PLAN										
MD*	INC*	AZI*	TVD*	N*	E*	DLS*	V. S.*	MapE*	MapN*	SysTVD*
ft	deg	deg	ft	ft	ft	%/100ft	ft	ft	ft	ft
*** RKB (at MD = 0.00)										
0.00	0.00	0.0	0.00	0.00	0.00		0.00			
50.00	0.00	0.0	50.00	0.00	0.00	0.00	0.00			
100.00	0.00	0.0	100.00	0.00	0.00	0.00	0.00			
150.00	0.00	0.0	150.00	0.00	0.00	0.00	0.00			
200.00	0.00	0.0	200.00	0.00	0.00	0.00	0.00			
250.00	0.00	0.0	250.00	0.00	0.00	0.00	0.00			
300.00	0.00	0.0	300.00	0.00	0.00	0.00	0.00			
350.00	0.00	0.0	350.00	0.00	0.00	0.00	0.00			
400.00	0.00	0.0	400.00	0.00	0.00	0.00	0.00			
450.00	0.00	0.0	450.00	0.00	0.00	0.00	0.00			
500.00	0.00	0.0	500.00	0.00	0.00	0.00	0.00			
550.00	0.00	0.0	550.00	0.00	0.00	0.00	0.00			
*** KOP (at MD = 600.00)										
600.00	0.00	0.0	600.00	0.00	0.00	0.00	0.00			
650.00	0.63	236.5	650.00	-0.15	-0.23	1.25	0.27			
700.00	1.25	236.5	699.99	-0.60	-0.91	1.25	1.09			
750.00	1.88	236.5	749.97	-1.35	-2.05	1.25	2.45			
800.00	2.50	236.5	799.94	-2.41	-3.64	1.25	4.36			
850.00	3.13	236.5	849.88	-3.76	-5.68	1.25	6.82			
900.00	3.75	236.5	899.79	-5.42	-8.18	1.25	9.81			
950.00	4.38	236.5	949.66	-7.37	-11.14	1.25	13.36			
1000.00	5.00	236.5	999.49	-9.63	-14.54	1.25	17.44			
1050.00	5.63	236.5	1049.28	-12.18	-18.41	1.25	22.07			
1100.00	6.25	236.5	1099.01	-15.04	-22.72	1.25	27.24			
1150.00	6.88	236.5	1148.68	-18.19	-27.48	1.25	32.96			
1200.00	7.50	236.5	1198.29	-21.64	-32.70	1.25	39.21			
1250.00	8.13	236.5	1247.82	-25.39	-38.37	1.25	46.01			
1300.00	8.75	236.5	1297.28	-29.44	-44.49	1.25	53.35			
1350.00	9.38	236.5	1346.66	-33.79	-51.05	1.25	61.22			
1400.00	10.00	236.5	1395.94	-38.43	-58.07	1.25	69.64			
1450.00	10.63	236.5	1445.14	-43.38	-65.53	1.25	78.59			
1500.00	11.25	236.5	1494.23	-48.61	-73.44	1.25	88.07			
1550.00	11.88	236.5	1543.21	-54.14	-81.80	1.25	98.10			
1600.00	12.50	236.5	1592.09	-59.97	-90.60	1.25	108.65			
1650.00	13.13	236.5	1640.84	-66.09	-99.85	1.25	119.74			

12-02-E4, Plan 1

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Operator		Units		15:55 Thursday, August 08, 2013 Page 2 of 5						
Field		County		Vertical Section Azimuth 236.5						
Well Name 12-02-E4		State		Survey Calculation Method Minimum Curvature						
Plan 1		Country		Database Access						
Location SHL: 152' FNL & 1169' FEL BHL: 660' FNL & 1980' FEL				MapZone				Lat Long Ref		
Site		UWI		SurfaceX				Surface Long		
Slot Name		API		SurfaceY				Surface Lat		
Well Number				Z Datum						
Project				Surface Z				Ground Level		
DIRECTIONAL WELL PLAN										
MD*	INC*	AZI*	TVD*	N*	E*	DLS*	V. S.*	MapE*	MapN*	SysTVD*
ft	deg	deg	ft	ft	ft	%/100ft	ft	ft	ft	ft
1700.00	13.75	236.5	1689.47	-72.50	-109.54	1.25	131.36			
1750.00	14.38	236.5	1737.97	-79.21	-119.67	1.25	143.51			
1800.00	15.00	236.5	1786.34	-86.20	-130.24	1.25	156.18			
1850.00	15.63	236.5	1834.56	-93.49	-141.25	1.25	169.39			
1900.00	16.25	236.5	1882.64	-101.07	-152.70	1.25	183.12			
1950.00	16.88	236.5	1930.57	-108.94	-164.58	1.25	197.37			
*** END BUILD (at MD = 1960.00)										
1960.00	17.00	236.5	1940.13	-110.54	-167.01	1.25	200.28			
2000.00	17.00	236.5	1978.39	-117.00	-176.77	0.00	211.98			
2050.00	17.00	236.5	2026.20	-125.07	-188.96	0.00	226.60			
2100.00	17.00	236.5	2074.02	-133.14	-201.15	0.00	241.22			
2150.00	17.00	236.5	2121.83	-141.20	-213.34	0.00	255.83			
2200.00	17.00	236.5	2169.65	-149.27	-225.53	0.00	270.45			
2250.00	17.00	236.5	2217.46	-157.34	-237.72	0.00	285.07			
2300.00	17.00	236.5	2265.28	-165.41	-249.91	0.00	299.69			
2350.00	17.00	236.5	2313.09	-173.48	-262.10	0.00	314.31			
2400.00	17.00	236.5	2360.91	-181.55	-274.29	0.00	328.93			
2450.00	17.00	236.5	2408.72	-189.62	-286.48	0.00	343.55			
2500.00	17.00	236.5	2456.54	-197.68	-298.67	0.00	358.17			
2550.00	17.00	236.5	2504.35	-205.75	-310.86	0.00	372.78			
2600.00	17.00	236.5	2552.17	-213.82	-323.05	0.00	387.40			
2650.00	17.00	236.5	2599.98	-221.89	-335.24	0.00	402.02			
2700.00	17.00	236.5	2647.80	-229.96	-347.43	0.00	416.64			
2750.00	17.00	236.5	2695.61	-238.03	-359.62	0.00	431.26			
2800.00	17.00	236.5	2743.43	-246.10	-371.81	0.00	445.88			
2850.00	17.00	236.5	2791.24	-254.16	-384.00	0.00	460.50			
2900.00	17.00	236.5	2839.06	-262.23	-396.19	0.00	475.11			
2950.00	17.00	236.5	2886.87	-270.30	-408.38	0.00	489.73			
3000.00	17.00	236.5	2934.69	-278.37	-420.57	0.00	504.35			
3050.00	17.00	236.5	2982.51	-286.44	-432.76	0.00	518.97			
3100.00	17.00	236.5	3030.32	-294.51	-444.95	0.00	533.59			
3150.00	17.00	236.5	3078.14	-302.58	-457.14	0.00	548.21			
3200.00	17.00	236.5	3125.95	-310.64	-469.33	0.00	562.83			
3250.00	17.00	236.5	3173.77	-318.71	-481.52	0.00	577.44			
3300.00	17.00	236.5	3221.58	-326.78	-493.71	0.00	592.06			

12-02-E4, Plan 1

12-02-E4, Plan 1									
Operator		Units		15:55 Thursday, August 08, 2013 Page 3 of 5					
Field		County		Vertical Section Azimuth 236.5					
Well Name 12-02-E4		State		Survey Calculation Method Minimum Curvature					
Plan 1		Country		Database Access					
Location SHL: 152' FNL & 1169' FEL BHL: 660' FNL & 1980' FEL				MapZone		Lat Long Ref			
Site		UWI		SurfaceX		Surface Long			
Slot Name		API		SurfaceY		Surface Lat			
Well Number				Z Datum					
Project				Surface Z		Ground Level			
DIRECTIONAL WELL PLAN									
MD*	INC*	AZI*	TVD*	N*	E*	DLS*	V. S.*	MapE*	MapN* SysTVD*
ft	deg	deg	ft	ft	ft	%/100ft	ft	ft	ft
3350.00	17.00	236.5	3269.40	-334.85	-505.90	0.00	606.68		
3400.00	17.00	236.5	3317.21	-342.92	-518.09	0.00	621.30		
3450.00	17.00	236.5	3365.03	-350.99	-530.28	0.00	635.92		
3500.00	17.00	236.5	3412.84	-359.06	-542.47	0.00	650.54		
3550.00	17.00	236.5	3460.66	-367.12	-554.66	0.00	665.16		
3600.00	17.00	236.5	3508.47	-375.19	-566.85	0.00	679.77		
3650.00	17.00	236.5	3556.29	-383.26	-579.04	0.00	694.39		
3700.00	17.00	236.5	3604.10	-391.33	-591.23	0.00	709.01		
*** START DROP (at MD = 3710.00)									
3710.00	17.00	236.5	3613.67	-392.94	-593.67	0.00	711.93		
3750.00	16.60	236.5	3651.96	-399.32	-603.31	1.00	723.50		
3800.00	16.10	236.5	3699.94	-407.09	-615.05	1.00	737.57		
3850.00	15.60	236.5	3748.04	-414.63	-626.44	1.00	751.23		
3900.00	15.10	236.5	3796.25	-421.94	-637.47	1.00	764.46		
3950.00	14.60	236.5	3844.58	-429.01	-648.16	1.00	777.28		
4000.00	14.10	236.5	3893.02	-435.85	-658.49	1.00	789.67		
4050.00	13.60	236.5	3941.57	-442.45	-668.47	1.00	801.64		
4100.00	13.10	236.5	3990.22	-448.83	-678.10	1.00	813.18		
4150.00	12.60	236.5	4038.96	-454.96	-687.37	1.00	824.30		
4200.00	12.10	236.5	4087.81	-460.87	-696.29	1.00	835.00		
4250.00	11.60	236.5	4136.74	-466.53	-704.85	1.00	845.26		
4300.00	11.10	236.5	4185.76	-471.96	-713.06	1.00	855.10		
4350.00	10.60	236.5	4234.87	-477.16	-720.91	1.00	864.52		
4400.00	10.10	236.5	4284.06	-482.12	-728.40	1.00	873.50		
4450.00	9.60	236.5	4333.32	-486.84	-735.53	1.00	882.05		
4500.00	9.10	236.5	4382.65	-491.32	-742.31	1.00	890.18		
4550.00	8.60	236.5	4432.06	-495.57	-748.72	1.00	897.87		
4600.00	8.10	236.5	4481.53	-499.57	-754.77	1.00	905.13		
4650.00	7.60	236.5	4531.06	-503.34	-760.47	1.00	911.96		
4700.00	7.10	236.5	4580.65	-506.87	-765.80	1.00	918.36		
4750.00	6.60	236.5	4630.29	-510.17	-770.78	1.00	924.32		
4800.00	6.10	236.5	4679.98	-513.22	-775.39	1.00	929.85		
4850.00	5.60	236.5	4729.72	-516.03	-779.64	1.00	934.95		
4900.00	5.10	236.5	4779.51	-518.60	-783.53	1.00	939.61		
4950.00	4.60	236.5	4829.33	-520.94	-787.05	1.00	943.83		

12-02-E4, Plan 1

Operator		Units	feet, %/100ft	15:55 Thursday, August 08, 2013	Page 4 of 5
Field		County		Vertical Section Azimuth	236.5
Well Name	12-02-E4	State		Survey Calculation Method	Minimum Curvature
Plan	1	Country		Database	Access

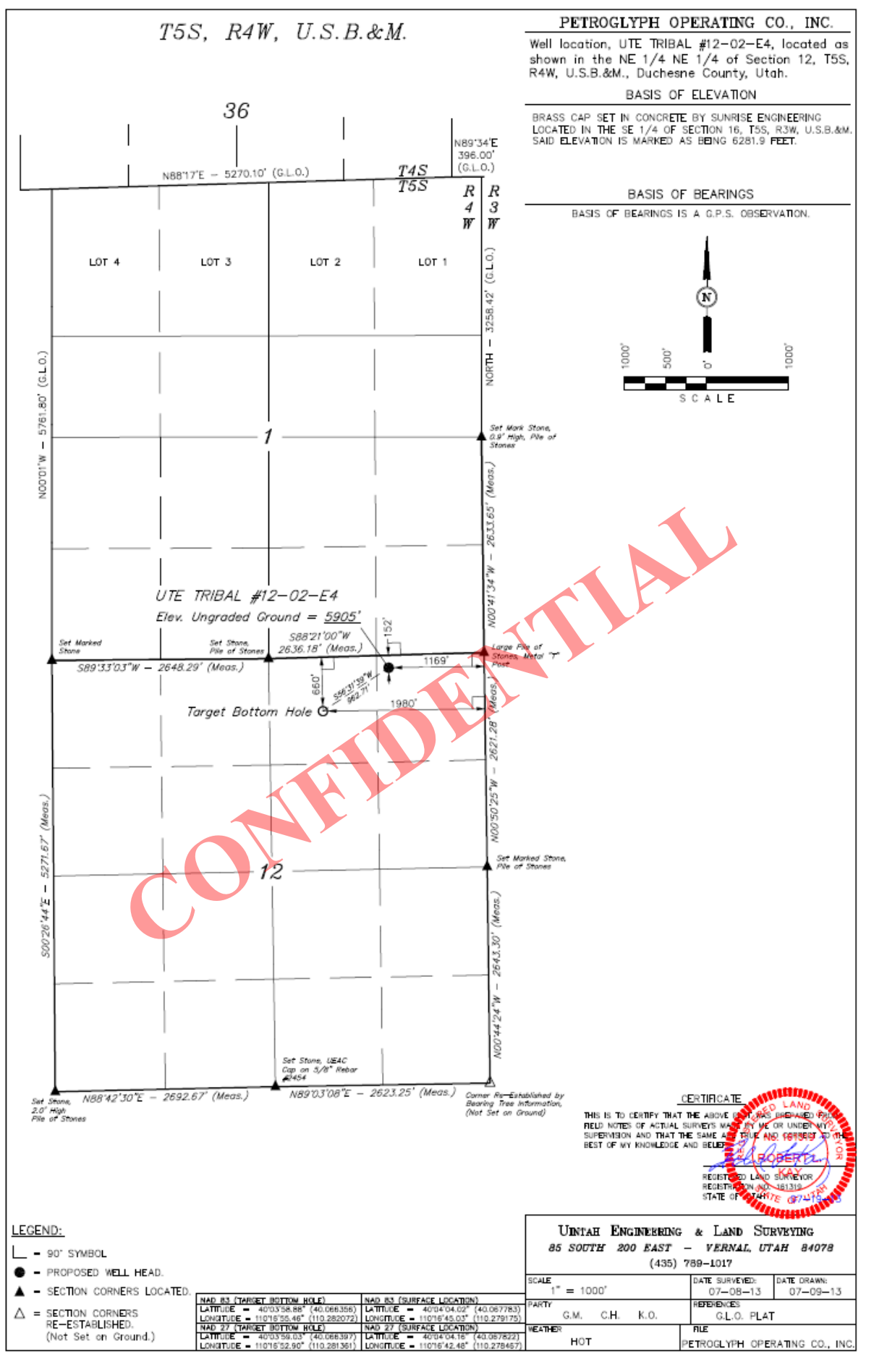
Location	SHL: 152' FNL & 1169' FEL BHL: 660' FNL & 1980' FEL	MapZone		Lat Long Ref	
Site		SurfaceX		Surface Long	
Slot Name		SurfaceY		Surface Lat	
Well Number	UWI	Z Datum			
Project	API	Surface Z		Ground Level	

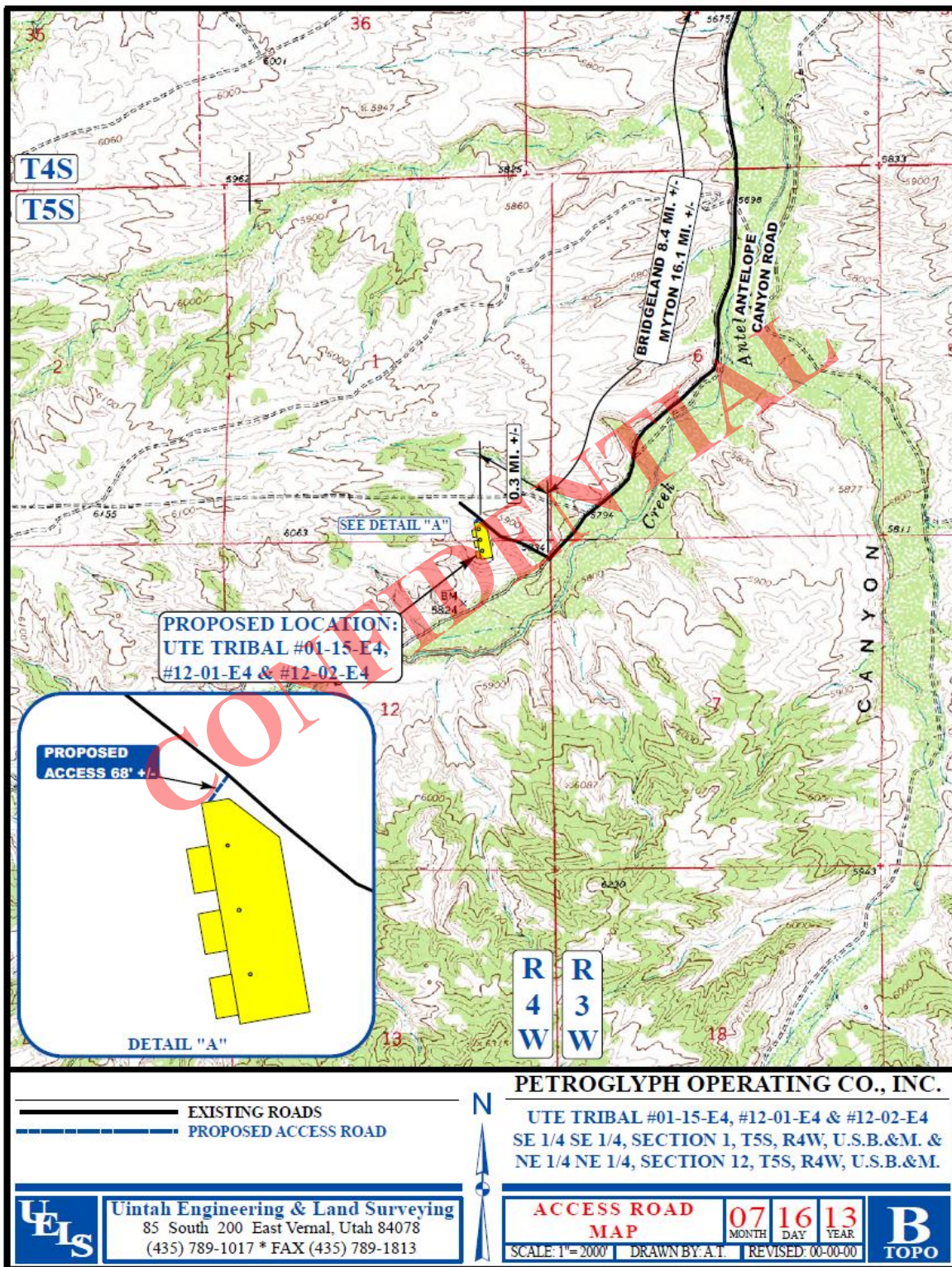
DIRECTIONAL WELL PLAN

MD*	INC*	AZI*	TVD*	N*	E*	DLS*	V. S.*	MapE*	MapN*	SysTVD*
ft	deg	deg	ft	ft	ft	%/100ft	ft	ft	ft	ft
5000.00	4.10	236.5	4879.18	-523.03	-790.21	1.00	947.63			
5050.00	3.60	236.5	4929.07	-524.88	-793.01	1.00	950.98			
5100.00	3.10	236.5	4978.98	-526.50	-795.45	1.00	953.91			
5150.00	2.60	236.5	5028.92	-527.87	-797.52	1.00	956.39			
5200.00	2.10	236.5	5078.88	-529.00	-799.23	1.00	958.44			
5250.00	1.60	236.5	5128.85	-529.89	-800.58	1.00	960.06			
5300.00	1.10	236.5	5178.84	-530.54	-801.56	1.00	961.23			
5350.00	0.60	236.5	5228.83	-530.95	-802.18	1.00	961.98			
5400.00	0.10	236.5	5278.83	-531.12	-802.43	1.00	962.28			
*** END DROP (at MD = 5410.00)										
5410.00	0.00	0.0	5288.83	-531.12	-802.44	1.00	962.29			
5450.00	0.00	0.0	5328.83	-531.12	-802.44	0.00	962.29			
5500.00	0.00	0.0	5378.83	-531.12	-802.44	0.00	962.29			
5550.00	0.00	0.0	5428.83	-531.12	-802.44	0.00	962.29			
5600.00	0.00	0.0	5478.83	-531.12	-802.44	0.00	962.29			
5650.00	0.00	0.0	5528.83	-531.12	-802.44	0.00	962.29			
5700.00	0.00	0.0	5578.83	-531.12	-802.44	0.00	962.29			
5750.00	0.00	0.0	5628.83	-531.12	-802.44	0.00	962.29			
5800.00	0.00	0.0	5678.83	-531.12	-802.44	0.00	962.29			
5850.00	0.00	0.0	5728.83	-531.12	-802.44	0.00	962.29			
5900.00	0.00	0.0	5778.83	-531.12	-802.44	0.00	962.29			
5950.00	0.00	0.0	5828.83	-531.12	-802.44	0.00	962.29			
6000.00	0.00	0.0	5878.83	-531.12	-802.44	0.00	962.29			
6050.00	0.00	0.0	5928.83	-531.12	-802.44	0.00	962.29			
6100.00	0.00	0.0	5978.83	-531.12	-802.44	0.00	962.29			
6150.00	0.00	0.0	6028.83	-531.12	-802.44	0.00	962.29			
6200.00	0.00	0.0	6078.83	-531.12	-802.44	0.00	962.29			
6250.00	0.00	0.0	6128.83	-531.12	-802.44	0.00	962.29			
6300.00	0.00	0.0	6178.83	-531.12	-802.44	0.00	962.29			
6350.00	0.00	0.0	6228.83	-531.12	-802.44	0.00	962.29			
6400.00	0.00	0.0	6278.83	-531.12	-802.44	0.00	962.29			
6450.00	0.00	0.0	6328.83	-531.12	-802.44	0.00	962.29			
6500.00	0.00	0.0	6378.83	-531.12	-802.44	0.00	962.29			
6550.00	0.00	0.0	6428.83	-531.12	-802.44	0.00	962.29			
6600.00	0.00	0.0	6478.83	-531.12	-802.44	0.00	962.29			

12-02-E4, Plan 1

12-02-E4, Plan 1										
Operator		Units		15:55 Thursday, August 08, 2013 Page 5 of 5						
Field		County		Vertical Section Azimuth 236.5						
Well Name 12-02-E4		State		Survey Calculation Method Minimum Curvature						
Plan 1		Country		Database Access						
Location SHL: 152' FNL & 1169' FEL BHL: 660' FNL & 1980' FEL				MapZone				Lat Long Ref		
Site		UWI		SurfaceX				Surface Long		
Slot Name		API		SurfaceY				Surface Lat		
Well Number				Z Datum						
Project				Surface Z				Ground Level		
DIRECTIONAL WELL PLAN										
MD*	INC*	AZI*	TVD*	N*	E*	DLS*	V. S.*	MapE*	MapN*	SysTVD*
ft	deg	deg	ft	ft	ft	%/100ft	ft	ft	ft	ft
6650.00	0.00	0.0	6528.83	-531.12	-802.44	0.00	962.29			
6700.00	0.00	0.0	6578.83	-531.12	-802.44	0.00	962.29			
6750.00	0.00	0.0	6628.83	-531.12	-802.44	0.00	962.29			
6800.00	0.00	0.0	6678.83	-531.12	-802.44	0.00	962.29			
6850.00	0.00	0.0	6728.83	-531.12	-802.44	0.00	962.29			
6900.00	0.00	0.0	6778.83	-531.12	-802.44	0.00	962.29			
6950.00	0.00	0.0	6828.83	-531.12	-802.44	0.00	962.29			
7000.00	0.00	0.0	6878.83	-531.12	-802.44	0.00	962.29			
7050.00	0.00	0.0	6928.83	-531.12	-802.44	0.00	962.29			
7100.00	0.00	0.0	6978.83	-531.12	-802.44	0.00	962.29			
7150.00	0.00	0.0	7028.83	-531.12	-802.44	0.00	962.29			
7200.00	0.00	0.0	7078.83	-531.12	-802.44	0.00	962.29			
7250.00	0.00	0.0	7128.83	-531.12	-802.44	0.00	962.29			
7300.00	0.00	0.0	7178.83	-531.12	-802.44	0.00	962.29			
7350.00	0.00	0.0	7228.83	-531.12	-802.44	0.00	962.29			
7400.00	0.00	0.0	7278.83	-531.12	-802.44	0.00	962.29			
7450.00	0.00	0.0	7328.83	-531.12	-802.44	0.00	962.29			
7500.00	0.00	0.0	7378.83	-531.12	-802.44	0.00	962.29			
7550.00	0.00	0.0	7428.83	-531.12	-802.44	0.00	962.29			
7600.00	0.00	0.0	7478.83	-531.12	-802.44	0.00	962.29			
7650.00	0.00	0.0	7528.83	-531.12	-802.44	0.00	962.29			
*** RTD (at MD = 7663.00)										
7663.00	0.00	0.0	7541.83	-531.12	-802.44	0.00	962.29			





PETROGLYPH OPERATING CO., INC.
P.O. BOX 607
ROOSEVELT, UTAH 84066

August 21, 2013

Ms. Diana Mason
State of Utah
Division of Oil, Gas & Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, UT 84114-5801

Re: Directional Drilling R649-3-11
Ute Tribal 12-02-E4

152' FNL & 1169' FEL, NE/NE, (Surface Hole)
660' FNL & 1980' FEL, NW/NE, (Bottom Hole)
Sec. 12, T5S, R4W, U.S.B.&M.,
Duchesne County, Utah

Dear Ms. Mason,

Pursuant to the filing of Petroglyph Operating Co., Inc.'s Application for Permit to Drill regarding the above referenced well on August 21, 2013, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to the Exception to Location and Siting of Wells.

- The Ute Tribal 17-02 is located within the Antelope Creek Unit Area.
- Petroglyph Operating Co., Inc. is permitting this well as a directional well in order to minimize surface disturbance. Locating the well at the surface location and drilling directionally from this location, Petroglyph Operating Co., Inc. will be able to utilize the existing road and pipelines in the area.
- Furthermore, Petroglyph Operating Co., Inc. hereby certifies that it is the sole working interest owner within 460 feet of the entire directional well bore.

Therefore, based on the above stated information, Petroglyph Operating Co., Inc. requests the permit be granted pursuant to R649-3-11.

Respectfully Submitted,

Ed Trotter,
Agent
P.O. Box 1910
Vernal, UT 84078
Phone: (435)789-4120
Fax: (435)789-1420
E-mail: edtrotter@easilink.com

RECEIVED: August 21, 2013

Certification

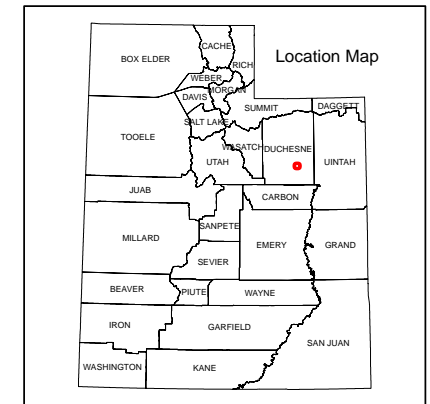
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions that presently exist; that the statements made in the Plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Petroglyph Operating Co., Inc. and its contractors and subcontractors in conformity with this Plan and the terms and conditions under which it is approved.

Please be advised that Petroglyph Operating Co., Inc. is considered to be the operator of the **UTE TRIBAL 12-02-E4 Well, located in NE/NE of Section 12, T5S, R4W, Duchesne County, Utah, lease #14-20-H62-4744**; and is responsible under the terms and conditions of the lease for the operations conducted upon the leased lands. Bond Coverage is provided under Bond #LPM4138153.

Date

Agent

Map Produced by Diana Mason



WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 8/21/2013

API NO. ASSIGNED: 43013524000000

WELL NAME: Ute Tribal 12-02-E4

OPERATOR: PETROGLYPH OPERATING CO (N3800)

PHONE NUMBER: 435 789-4120

CONTACT: Ed Trotter

PROPOSED LOCATION: NENE 12 050S 040W

Permit Tech Review: ☒

SURFACE: 0152 FNL 1169 FEL

Engineering Review: ☐

BOTTOM: 0660 FNL 1980 FEL

Geology Review: ☒

COUNTY: DUCHESNE

LATITUDE: 40.06787

LONGITUDE: -110.27939

UTM SURF EASTINGS: 561451.00

NORTHINGS: 4435538.00

FIELD NAME: BRUNDAGE CANYON

LEASE TYPE: 2 - Indian

LEASE NUMBER: 1420H624744

PROPOSED PRODUCING FORMATION(S): WASATCH

SURFACE OWNER: 2 - Indian

COALBED METHANE: NO

RECEIVED AND/OR REVIEWED:

- ☒ PLAT
- ☒ Bond: INDIAN - LPM4138336
- ☐ Potash
- ☐ Oil Shale 190-5
- ☐ Oil Shale 190-3
- ☐ Oil Shale 190-13
- ☒ Water Permit: 43-8342
- ☐ RDCC Review:
- ☐ Fee Surface Agreement
- ☐ Intent to Commingle

Commingle Approved

LOCATION AND SITING:

- ☐ R649-2-3.
- Unit:
- ☐ R649-3-2. General
- ☒ R649-3-3. Exception
- ☒ Drilling Unit
- Board Cause No: R649-3-11
- Effective Date:
- Siting:
- ☒ R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 1 - Exception Location - bhll
4 - Federal Approval - dmason
15 - Directional - dmason
23 - Spacing - dmason

RECEIVED: August 27, 2013



GARY R. HERBERT
Governor

GREGORY S. BELL
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

Permit To Drill

Well Name: Ute Tribal 12-02-E4
API Well Number: 43013524000000
Lease Number: 1420H624744
Surface Owner: INDIAN
Approval Date: 8/27/2013

Issued to:

PETROGLYPH OPERATING CO, 960 Broadway Avenue, Ste 500, Boise, ID 83703

Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-11. The expected producing formation or pool is the WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

Exception Location:

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:

State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled,

completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Notification Requirements:

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels at 801-538-5284

(please leave a voicemail message if not available)

OR

submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website

at <http://oilgas.ogm.utah.gov>

Reporting Requirements:

All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

Approved By:

A handwritten signature in black ink, appearing to read "John Rogers", written over a horizontal line.

For John Rogers
Associate Director, Oil & Gas



Diana Mason <dianawhitney@utah.gov>

Re: Sundry For API Well Number 43013524010000

Bradley Hill <bradhill@utah.gov>

Wed, Oct 23, 2013 at 4:50 PM

To: Diana Mason <dianawhitney@utah.gov>

I'll have to check with Dennis to see if we need surface owner info. If he has it we can probably go with this even though it is pretty skimpy. .

Brad Hill P.G.
O & G Permitting Manager/Petroleum Geologist
State of Utah
Division of Oil, Gas, & Mining
Phone: (801)538-5315
Fax: (801)359-3940
email: bradhill@utah.gov

On Wed, Oct 23, 2013 at 8:09 AM, Diana Mason <dianawhitney@utah.gov> wrote:

This is the sundry Ed sent in. Do you need more info.?

On Wed, Oct 23, 2013 at 7:54 AM, Bradley Hill <bradhill@utah.gov> wrote:

I think Dennis was going out to look at them Monday. I will attach an SOB to the Sundry when I approve them.

Brad Hill P.G.
O & G Permitting Manager/Petroleum Geologist
State of Utah
Division of Oil, Gas, & Mining
Phone: (801)538-5315
Fax: (801)359-3940
email: bradhill@utah.gov

On Wed, Oct 23, 2013 at 6:27 AM, Diana Mason <dianawhitney@utah.gov> wrote:

How should we proceed with these? These now need a presite.

----- Forwarded message -----

From: **Ed Trotter** <edtrotter@easilink.com>
Date: Tue, Oct 22, 2013 at 5:09 PM
Subject: RE: Sundry For API Well Number 43013524010000
To: dianawhitney@utah.gov

Diana,

The UT 01-15-E4, UT 12-01-E4 & UT 12-02-E4 are all on fee surface and should be changed. I apologize for the error.

Thank you,
Ed

-----Original Message-----

From: dianawhitney@utah.gov [mailto:dianawhitney@utah.gov]

Sent: Tuesday, October 22, 2013 4:13 PM

To: edtrotter@easilink.com

Cc: dianawhitney@utah.gov

Subject: Sundry For API Well Number 43013524010000

Notice of Intent: OTHER

API Number: 43013524010000

Operator: PETROGLYPH OPERATING CO

Ed,

When this APD was sent in, it was marked that it was Indian lease so it should be fee?

No virus found in this message.

Checked by AVG - www.avg.com

Version: 2014.0.4158 / Virus Database: 3614/6771 - Release Date: 10/22/13

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 1420H624744
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute In
2. NAME OF OPERATOR: PETROGLYPH OPERATING CO		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 960 Broadway Avenue, Ste 500 , Boise, ID, 83703		8. WELL NAME and NUMBER: Ute Tribal 12-02-E4
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0152 FNL 1169 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 12 Township: 05.0S Range: 04.0W Meridian: U		9. API NUMBER: 43013524000000
PHONE NUMBER: 208 685-7685 Ext		9. FIELD and POOL or WILDCAT: BRUNDAGE CANYON
COUNTY: DUCHESNE		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

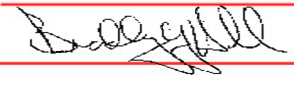
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 12/13/2013	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER:
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The file records for this well should be corrected to reflect that Petroglyph Operating Company, Inc. is the surface owner of this well.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: October 29, 2013

By: 

NAME (PLEASE PRINT) Ed Trotter	PHONE NUMBER 435 789-4120	TITLE Agent
SIGNATURE N/A	DATE 10/21/2013	

Application for Permit to Drill

Statement of Basis

10/29/2013

Utah Division of Oil, Gas and Mining

Page 1

APD No	API WellNo	Status	Well Type	Surf Ownr	CBM
8479	43-013-52400-00-00	FILED	OW	I	No
Operator PETROGLYPH OPERATING CO		Surface Owner-APD			
Well Name Ute Tribal 12-02-E4		Unit			
Field	BRUNDAGE CANYON	Type of Work	DRILL		
Location	NENE 12 5S 4W U 152 FNL 1169 FEL GPS Coord (UTM) 561451E 4435538N				

Geologic Statement of Basis

The mineral rights for the proposed well are owned by the Ute Tribe. The BLM will be the agency responsible for evaluating and approving the drilling, casing and cement programs.

Brad Hill

10/29/2013

APD Evaluator**Date / Time****Surface Statement of Basis**

Topography at this proposed wellsite slopes southeast and shows a nine feet of cut on the northwest corner and ten to fifteen feet of fill along the southeast corners. There are two dry drainages that collect water and drain toward Antelope Canyon but they both head up along the western side of the location and should be a non-issue after the pad is constructed. Three reserve pits are planned immediately off the west side of this pad and will accommodate each individual well as it is drilled. Each of these pits shall be fenced to keep wildlife from entering them, and shall be lined with a 16 mil synthetic liner to prevent seepage. The location shall also be bermed to prevent fluids and spills from leaving the wellsite into the canyon below.

A presite was scheduled and performed to permit three wells on the same well pad, the Ute Tribal 01-15-E4, The Ute Tribal 12-01-E4, and the Ute Tribal 12-02-E4. These are split estate wells and have private surface owned by Petroglyph Operating Company, INC. Tribal Mineral interests were represented at the onsite by the BLM.

Dennis Ingram

10/21/2013

Onsite Evaluator**Date / Time****Conditions of Approval / Application for Permit to Drill**

Category	Condition
Pits	A synthetic liner with a minimum thickness of 16 mils shall be properly installed and maintained in the reserve pit.
Pits	Reserve pit shall be fenced to prevent wildlife and/or stock from entering same.
Pits	The reserve pit should be located on the west side of the location.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9																														
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 1420H624744																														
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2. NAME OF OPERATOR: PETROGLYPH OPERATING CO		7. UNIT or CA AGREEMENT NAME:																														
3. ADDRESS OF OPERATOR: 960 Broadway Avenue, Ste 500, Boise, ID, 83703		8. WELL NAME and NUMBER: Ute Tribal 12-02-E4																														
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0152 FNL 1169 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 12 Township: 05.0S Range: 04.0W Meridian: U		9. API NUMBER: 43013524000000																														
9. FIELD and POOL or WILDCAT: BRUNDAGE CANYON		COUNTY: DUCHESNE																														
STATE: UTAH																																
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																																
TYPE OF SUBMISSION <input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/15/2014 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	TYPE OF ACTION <table style="width: 100%;"> <tr> <td><input type="checkbox"/> ACIDIZE</td> <td><input type="checkbox"/> ALTER CASING</td> <td><input type="checkbox"/> CASING REPAIR</td> </tr> <tr> <td><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</td> <td><input type="checkbox"/> CHANGE TUBING</td> <td><input type="checkbox"/> CHANGE WELL NAME</td> </tr> <tr> <td><input type="checkbox"/> CHANGE WELL STATUS</td> <td><input checked="" type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</td> <td><input type="checkbox"/> CONVERT WELL TYPE</td> </tr> <tr> <td><input type="checkbox"/> DEEPEN</td> <td><input checked="" type="checkbox"/> FRACTURE TREAT</td> <td><input type="checkbox"/> NEW CONSTRUCTION</td> </tr> <tr> <td><input type="checkbox"/> OPERATOR CHANGE</td> <td><input type="checkbox"/> PLUG AND ABANDON</td> <td><input type="checkbox"/> PLUG BACK</td> </tr> <tr> <td><input type="checkbox"/> PRODUCTION START OR RESUME</td> <td><input type="checkbox"/> RECLAMATION OF WELL SITE</td> <td><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</td> </tr> <tr> <td><input type="checkbox"/> REPERFORATE CURRENT FORMATION</td> <td><input type="checkbox"/> SIDETRACK TO REPAIR WELL</td> <td><input type="checkbox"/> TEMPORARY ABANDON</td> </tr> <tr> <td><input type="checkbox"/> TUBING REPAIR</td> <td><input type="checkbox"/> VENT OR FLARE</td> <td><input type="checkbox"/> WATER DISPOSAL</td> </tr> <tr> <td><input type="checkbox"/> WATER SHUTOFF</td> <td><input type="checkbox"/> SI TA STATUS EXTENSION</td> <td><input type="checkbox"/> APD EXTENSION</td> </tr> <tr> <td><input type="checkbox"/> WILDCAT WELL DETERMINATION</td> <td><input type="checkbox"/> OTHER</td> <td>OTHER: <input style="width: 100px;" type="text"/></td> </tr> </table>		<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> CHANGE WELL STATUS	<input checked="" type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN	<input checked="" type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Please see attached. <div style="text-align: right; margin-top: 20px;"> Accepted by the Utah Division of Oil, Gas and Mining June 05, 2014 Date: _____ By: <u>Derek Quist</u> </div>																																
NAME (PLEASE PRINT) Rodrigo Jurado		PHONE NUMBER 435 722-5302																														
SIGNATURE N/A		TITLE Regulatory & Compliance Spc																														
DATE 5/7/2014																																

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-4744
2. NAME OF OPERATOR: Petroglyph Operating Company Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Indian Tribe
3. ADDRESS OF OPERATOR: P.O. Box 607 CITY Roosevelt STATE UT ZIP 84066		7. UNIT or CA AGREEMENT NAME: 14-20-H62-4650
4. LOCATION OF WELL FOOTAGES AT SURFACE: 152' FNL, 1169' FEL		8. WELL NAME and NUMBER: Ute Tribal 12-02-E4
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 12 5S 4W U		9. API NUMBER: 4301352400
		10. FIELD AND POOL, OR WILDCAT: Antelope Creek
		COUNTY: Duchesne
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 5/15/2014	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input checked="" type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input checked="" type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On or around 5/15/2014, depending on equipment availability, Petroglyph Operating intends to perforate the following: 4334-36, 4343-48, 4538-40, 4660-62, 4722-26, 4730-35, 4745-50, 4877-79, 5011-13, 5038-40, 5043-45, 5138-442, 5175-77, 5218-21, 5230-33, 5253-56, 5259-61, 5386-90, 5424-26, 5437-50, 5466-67, 5493-5508, 5543-48, 5607-18, 5652-58, 5767-69, 5808-12, 5825-28, 5850-53, 5897-5900, 5916-18, 5945-47, 5950-52, 5956-61, 5976-78, 5981-83, 5996-98, 6003-05, 6014-16, 6056-60, 6208-09, 6222-34, 6330-35, 6402-04, 6410-20, 6722-24, 6730-37, 6886-92, 6895-97, 6849-54, 7149-63, 7166-71, 7217-22, 7228-45. All perforations will be made using Titan 3-1/8" Perf Guns containing 22.7 gram charges, 0.42" EHD, 23.54" TTP @ 4 SPF @ 120* Phased. Using Halliburton 8K Composite Plugs for isolation we intent to fracture treat the following intervals:
7149-7245: 22,400 Gal of fluid containing 40,000#'s of sand,
6722-6954: 16,800 Gal of fluid containing 30,000#'s of sand, 6208-6420: 42,000 Gal of fluid containing 75,000#'s of sand,
5897-6060: 28,000 Gal of fluid containing 50,000#'s of sand, 5607-5853: 33,600 Gal of fluid containing 60,000#'s of sand,
5386-5548: 50,400 Gal of fluid containing 90,000#'s of sand, 5011-5261: 33,600 Gal of fluid containing 60,000#'s of sand,
4538-4879: 30,800 Gal of fluid containing 55,000#'s of sand & 4334-4348: 14,000 Gal of fluid containing 25,000#'s of sand.
Fluid used will be 15-18# gelled fluid and sand will be 20/40 Mesh Sand. All plugs will drilled out and cleaned out. The well will be swabbed back as needed before being put to pump. Fluid Volumes and amounts of sand are only estimates and will be adjusted as needed during the completion process. Actual figures will be reported at a later date.

NAME (PLEASE PRINT) <u>Rodrigo Jurado</u>	TITLE <u>Regulatory Compliance Specialist</u>
SIGNATURE 	DATE <u>5/7/2014</u>

(This space for State use only)

AFFIDAVIT OF NOTICE

State of Idaho)
) ss
County of Ada)

I, Vera Johnson, the affiant herein, being of lawful age and duly sworn upon his oath deposes and states as follows:

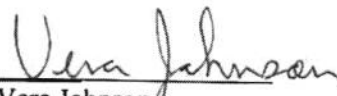
Vera Johnson is the Land Administrator for Petroglyph Energy, Inc., an Idaho Corporation, with headquarters located at 960 Broadway Avenue, Suite 500, Boise, ID 83706, and is duly authorized to make this Affidavit on behalf of said corporation.

Petroglyph Energy, Inc. has submitted notices to commingle production from the Wasatch and Green River formations in the following well lying within the boundaries of the Antelope Creek Plan of Cooperative Development – BIA Lease # UTE 14-20-H62-4744:

UTE TRIBAL 12-02-E4

This Affidavit is made in accordance with Utah's Oil, Gas and Mining regulation R649-3-22. As operator, Petroglyph Energy, Inc. is the only owner of contiguous oil and gas leases overlying the pool and no notice to other parties is necessary.

Petroglyph Energy, Inc.


Vera Johnson

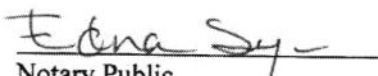
State of Idaho)
) ss
County of Ada)

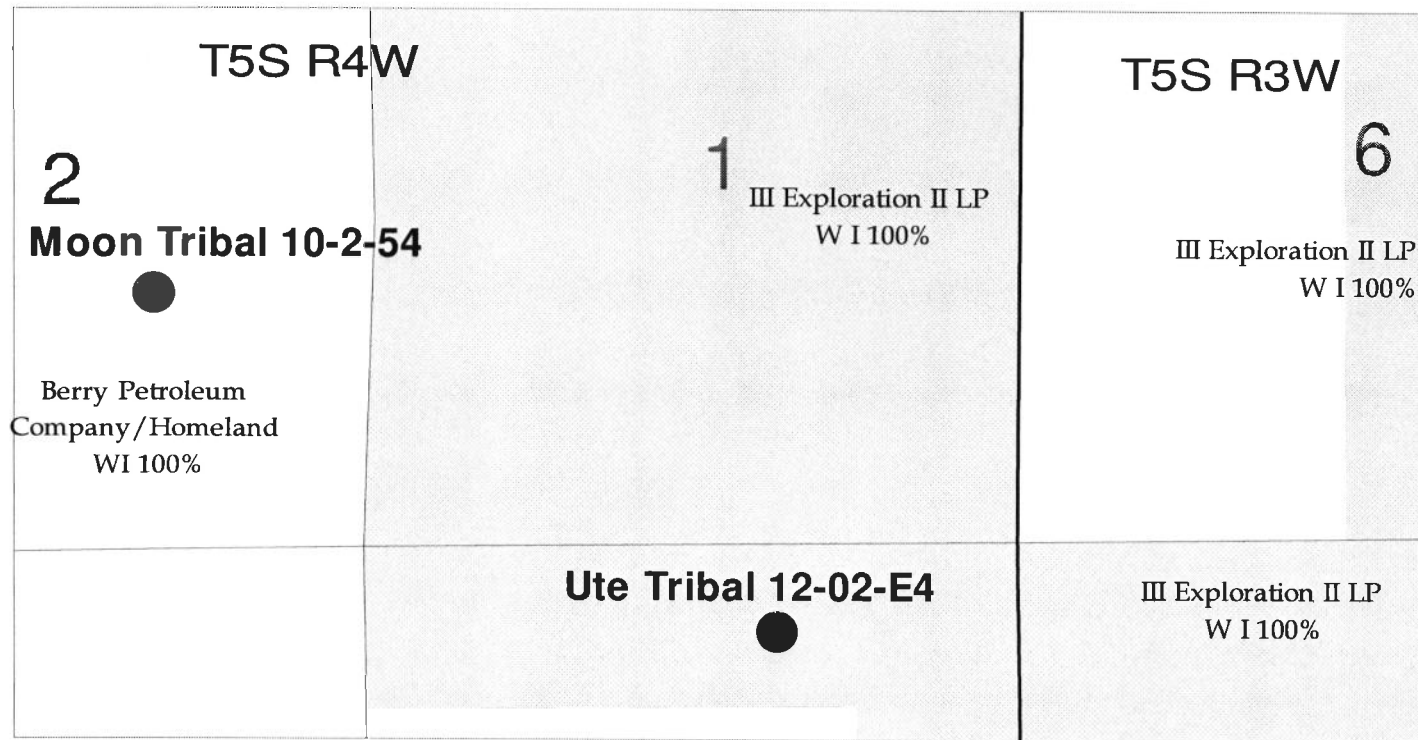
The above and foregoing Affidavit was subscribed and sworn to before me on the 9 day of May, 2014, by Vera Johnson.

Witness my hand and official seal.

(SEAL)





Notary Public
Exp: 23 June 2014



1 inch = 1500 feet



 PETROGLYPH	ANTELOPE CREEK
	DUCHESNE COUNTY, UTAH
Application for Commingling Ute Tribal 12-02-E4	
Checked By & Date: JG 7-May-14	Petroglyph Operating Co. - 1140 Broadway Ave. Suite 900, Salt Lake City, UT 84101 \\PEI\GIS\Ute\Regional\commingle\12-02-E4.gmp

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 1420H624744
		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
		7. UNIT or CA AGREEMENT NAME:
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: Ute Tribal 12-02-E4
2. NAME OF OPERATOR: PETROGLYPH OPERATING CO		9. API NUMBER: 43013524000000
3. ADDRESS OF OPERATOR: 960 Broadway Avenue, Ste 500, Boise, ID, 83703		9. FIELD and POOL or WILDCAT: BRUNDAGE CANYON
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0152 FNL 1169 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 12 Township: 05.0S Range: 04.0W Meridian: U		COUNTY: DUCHESNE
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/28/2014	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	OTHER: <input style="width: 100px;" type="text"/>	
<input type="checkbox"/> SPUD REPORT Date of Spud:			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The date of first production for this well was 5/28/2014.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY
 June 03, 2014

NAME (PLEASE PRINT) Rodrigo Jurado	PHONE NUMBER 435 722-5302	TITLE Regulatory & Compliance Spc
SIGNATURE N/A		DATE 6/2/2014

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 1420H624744
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2. NAME OF OPERATOR: PETROGLYPH OPERATING CO		7. UNIT or CA AGREEMENT NAME:
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4. LOCATION OF WELL FOOTAGES AT SURFACE: 0152 FNL 1169 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 12 Township: 05.0S Range: 04.0W Meridian: U		9. API NUMBER: 43013524000000
PHONE NUMBER: 208 685-7685 Ext		9. FIELD and POOL or WILDCAT: BRUNDAGE CANYON
COUNTY: DUCHESNE		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/28/2014	<div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"><input type="checkbox"/> ACIDIZE</div> <div style="width: 33%;"><input type="checkbox"/> ALTER CASING</div> <div style="width: 33%;"><input type="checkbox"/> CASING REPAIR</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE TO PREVIOUS PLANS</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE TUBING</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE WELL NAME</div> <div style="width: 33%;"><input type="checkbox"/> CHANGE WELL STATUS</div> <div style="width: 33%;"><input checked="" type="checkbox"/> COMMINGLE PRODUCING FORMATIONS</div> <div style="width: 33%;"><input type="checkbox"/> CONVERT WELL TYPE</div> <div style="width: 33%;"><input type="checkbox"/> DEEPEN</div> <div style="width: 33%;"><input type="checkbox"/> FRACTURE TREAT</div> <div style="width: 33%;"><input type="checkbox"/> NEW CONSTRUCTION</div> <div style="width: 33%;"><input type="checkbox"/> OPERATOR CHANGE</div> <div style="width: 33%;"><input type="checkbox"/> PLUG AND ABANDON</div> <div style="width: 33%;"><input type="checkbox"/> PLUG BACK</div> <div style="width: 33%;"><input type="checkbox"/> PRODUCTION START OR RESUME</div> <div style="width: 33%;"><input type="checkbox"/> RECLAMATION OF WELL SITE</div> <div style="width: 33%;"><input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION</div> <div style="width: 33%;"><input type="checkbox"/> REPERFORATE CURRENT FORMATION</div> <div style="width: 33%;"><input type="checkbox"/> SIDETRACK TO REPAIR WELL</div> <div style="width: 33%;"><input type="checkbox"/> TEMPORARY ABANDON</div> <div style="width: 33%;"><input type="checkbox"/> TUBING REPAIR</div> <div style="width: 33%;"><input type="checkbox"/> VENT OR FLARE</div> <div style="width: 33%;"><input type="checkbox"/> WATER DISPOSAL</div> <div style="width: 33%;"><input type="checkbox"/> WATER SHUTOFF</div> <div style="width: 33%;"><input type="checkbox"/> SI TA STATUS EXTENSION</div> <div style="width: 33%;"><input type="checkbox"/> WILDCAT WELL DETERMINATION</div> <div style="width: 33%;"><input type="checkbox"/> OTHER</div> </div>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	
<input type="checkbox"/> SPUD REPORT Date of Spud:	
<input type="checkbox"/> DRILLING REPORT Report Date:	
OTHER: <input style="width: 100%;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Petroglyph Operating Inc. request permission to commingle oil and gas production from the Wasatch and Green River Formations on the well referenced above. Petroglyph Operating has made all necessary notifications in accordance with Utah's Oil, Gas, and Mining Regulation R649-3-22. Please see attached Affidavit of Notice and Map.

**Accepted by the
Utah Division of
Oil, Gas and Mining**

Date: June 17, 2014
By: [Signature]

Please Review Attached Conditions of Approval

NAME (PLEASE PRINT) Rodrigo Jurado	PHONE NUMBER 435 722-5302	TITLE Regulatory & Compliance Spc
SIGNATURE N/A	DATE 6/2/2014	



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43013524000000

Commingling approved via previous sundry for recompletion.

AFFIDAVIT OF NOTICE

State of Idaho)
) ss
County of Ada)

I, Vera Johnson, the affiant herein, being of lawful age and duly sworn upon his oath deposes and states as follows:

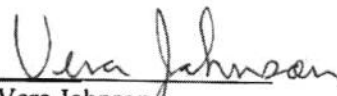
Vera Johnson is the Land Administrator for Petroglyph Energy, Inc., an Idaho Corporation, with headquarters located at 960 Broadway Avenue, Suite 500, Boise, ID 83706, and is duly authorized to make this Affidavit on behalf of said corporation.

Petroglyph Energy, Inc. has submitted notices to commingle production from the Wasatch and Green River formations in the following well lying within the boundaries of the Antelope Creek Plan of Cooperative Development – BIA Lease # UTE 14-20-H62-4744:

UTE TRIBAL 12-02-E4

This Affidavit is made in accordance with Utah's Oil, Gas and Mining regulation R649-3-22. As operator, Petroglyph Energy, Inc. is the only owner of contiguous oil and gas leases overlying the pool and no notice to other parties is necessary.

Petroglyph Energy, Inc.


Vera Johnson

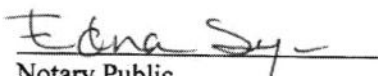
State of Idaho)
) ss
County of Ada)

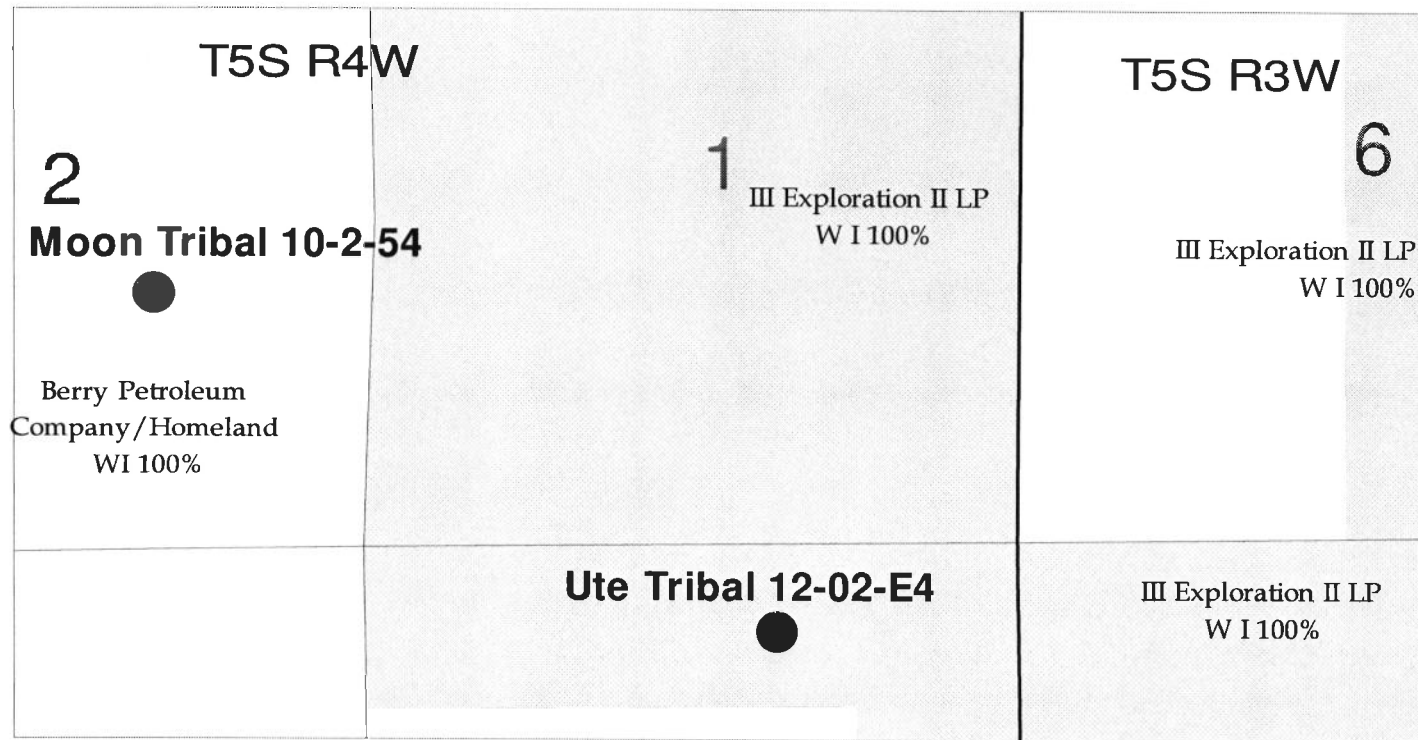
The above and foregoing Affidavit was subscribed and sworn to before me on the 9 day of May, 2014, by Vera Johnson.

Witness my hand and official seal.

(SEAL)





Notary Public
Exp: 23 June 2014



1 inch = 1500 feet



 PETROGLYPH	ANTELOPE CREEK
	DUCHESNE COUNTY, UTAH
Application for Commingling Ute Tribal 12-02-E4	
Checked By: JG Last Revised: 7-May-14	Petroglyph Operating Co. 1140 Broadway Ave. Suite 900, Salt Lake City, UT 84102 P:\EIS\G6\Ute\Regional\commingle 12-02-E4.gmp

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: 1420H624744
1. TYPE OF WELL Oil Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
2. NAME OF OPERATOR: PETROGLYPH OPERATING CO		7. UNIT or CA AGREEMENT NAME:
3. ADDRESS OF OPERATOR: 960 Broadway Avenue, Ste 500, Boise, ID, 83703		8. WELL NAME and NUMBER: Ute Tribal 12-02-E4
4. LOCATION OF WELL FOOTAGES AT SURFACE: 0152 FNL 1169 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NENE Section: 12 Township: 05.0S Range: 04.0W Meridian: U		9. API NUMBER: 43013524000000
PHONE NUMBER: 208 685-7685 Ext		9. FIELD and POOL or WILDCAT: BRUNDAGE CANYON
COUNTY: DUCHESNE		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 5/30/2014	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input checked="" type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. <div style="text-align: center; padding: 20px;"> Please see attached. </div> <div style="text-align: right; padding: 20px;"> Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 09, 2014 </div>		
NAME (PLEASE PRINT) Rodrigo Jurado	PHONE NUMBER 435 722-5302	TITLE Regulatory & Compliance Spc
SIGNATURE N/A	DATE 10/1/2014	

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER 14-20-H62-4744
2. NAME OF OPERATOR: Petroglyph Operating Company Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Indian Tribe
3. ADDRESS OF OPERATOR: P.O. Box 607 CITY Roosevelt STATE UT ZIP 84066		7. UNIT or CA AGREEMENT NAME: 14-20-H62-4650
PHONE NUMBER: (435) 722-2531		8. WELL NAME and NUMBER: Ute Tribal 12-02-E4
4. LOCATION OF WELL FOOTAGES AT SURFACE: 152' FNL, 1169' FEL COUNTY: Duchesne QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 12 5S 4W U STATE: UTAH		9. API NUMBER: 4301352400
		10. FIELD AND POOL, OR WILDCAT: Antelope Creek

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input checked="" type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 5/30/2014	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

On 4/30/2014 Petroglyph Operating ran GR/CBL and found ETOC @ 107'. On 5/7/2014 we then perforated the following: 7228-45, 7217-22, 7166-71, 7149-63, 6949-54, 6895-97, 6886-97, 6730-37, 6722-24, 6410-20, 6402-04, 6330-35, 6222-34, 6208-19, 6056-60, 6014-16, 6003-05, 5996-98, 5981-83, 5976-78, 5956-61, 5950-52, 5945-47, 5916-18, 5897-5900, 5850-53, 5825-28, 5808-12, 5767-69, 5652-58, 5607-18, 5543-48, 5493-08, 5466-67, 5437-40, 5424-26, 5386-90, 5259-61, 5253-56, 5230-33, 5218-21, 5175-77, 5138-42, 5043-45, 5038-40, 5011-13, 4877-78, 4745-50, 4730-38, 4722-26, 4660-62, 4538-40, 4334-36, 4343-48. We isolated and fracture treated the following intervals:
7,149'-7,245': 1,088 Bbls of fluid containing 40,300#'s of sand,
6,722'-6,954': 542 Bbls of fluid containing 30,600#'s of sand,
6,208'-6,420': 869 Bbls of fluid containing 80,100#'s of sand,
5,897'-6,060': 687 Bbls of fluid containing 51,000#'s of sand,
5,607'-5,853': 783 Bbls of fluid containing 61,100#'s of sand,
5,386'-5,548': 923 Bbls of fluid containing 85,800#'s of sand, 5,011'-5,261': 704 Bbls of fluid containing 60,100#'s of sand,
4,538'-4,878': 666 Bbls of fluid containing 56,000#'s of sand, 4,334'-4,348': 441 Bbls of fluid containing 25,800#'s of sand.
Isolation plugs used were Halliburton 8K Composite Plugs, fluid used was Delta 140 18# gelled fluid, sand used was 20/40 Mesh Premium White Sand and guns used were Titan 3-1/8", containing 22.7 gram charges, 0.42" EHD, 23.54" TTP @ 4 SPF @ 120* Phased. All plugs were drilled out and cleaned out to PBTD, 7,630'. The well was swabbed until a good oil cut was see, then ran a pump on 5/30/2014 and put to pump.

NAME (PLEASE PRINT) <u>Rodrigo Jurado</u>	TITLE <u>Regulatory Compliance Specialist</u>
SIGNATURE 	DATE <u>10/1/2014</u>

(This space for State use only)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MININGAMENDED REPORT ☐ FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

WELL COMPLETION OR RECOMPLETION REPORT AND LOG						5. LEASE DESIGNATION AND SERIAL NUMBER: 14-20-H62-4744			
						6. IF INDIAN, ALLOTTEE OR TRIBE NAME Ute Indian Tribe			
						7. UNIT or CA AGREEMENT NAME 14-20-H62-4650			
						8. WELL NAME and NUMBER: Ute Tribal 12-02-E4			
1a. TYPE OF WELL: OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____						9. API NUMBER: 4301352400			
b. TYPE OF WORK: NEW WELL <input checked="" type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR <input type="checkbox"/> OTHER _____						10. FIELD AND POOL, OR WILDCAT Antelope Creek			
2. NAME OF OPERATOR: Petroglyph Operating Company, Inc.						11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 12 5S 4W U			
3. ADDRESS OF OPERATOR: P.O. Box 607 CITY Roosevelt STATE UT ZIP 84066						12. COUNTY Duchesne			
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: 152' FNL, 1169' FEL AT TOP PRODUCING INTERVAL REPORTED BELOW: 604' FNL, 1858' FEL NWNE Sec 12 T5S R4W AT TOTAL DEPTH: 660' FNL, 1994' FEL NWNE Sec. 12 T5S R4W						13. STATE UTAH			
14. DATE SPUDDED: 3/3/2014		15. DATE T.D. REACHED: 4/14/2014		16. DATE COMPLETED: 5/30/2014		17. ELEVATIONS (DF, RKB, RT, GL): 5,922' RKB			
18. TOTAL DEPTH: MD 7,727 TVD 7,612		19. PLUG BACK T.D.: MD 7,630 TVD 7,515		20. IF MULTIPLE COMPLETIONS, HOW MANY? *		21. DEPTH BRIDGE MD PLUG SET: TVD			
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each) ACTR, SDDSN, Borehole Volume Plot, Cement Bond Log						23. WAS WELL CORED? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input checked="" type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input checked="" type="checkbox"/> (Submit copy)			
24. CASING AND LINER RECORD (Report all strings set in well)									
HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
26	16 J-55	75	0	73				0	Conductor
12.25	8.625 J-55	24	0	512		G 350	72	0	
7.875	5.5 J-55	15.5	0	6,222					
7.875	5.5 L-80	17	6,222	7,713		G 1,255	369	107'	CBL
25. TUBING RECORD									
SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2.875	7,277								
26. PRODUCING INTERVALS					27. PERFORATION RECORD				
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO HOLES	PERFORATION STATUS	
(A) Wasatch	6,208	7,245	6,093	7,130	6,208 7,245	0.42	412	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(B) Basal Carbonate	5,897	6,060	5,782	5,945	5,897 6,060	0.42	96	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(C) Green River	4,334	5,853	4,224	5,738	4,334 5,853	0.42	436	Open <input checked="" type="checkbox"/>	Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>
28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.									
DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL								
6,208'-7,245'	2,499 Bbls of Delta 140 18# Gelled Fluid Containing 151,000#'s of 20/40 Mesh Sand.								
5,897'-6,060'	687 Bbls of Delta 140 18# Gelled Fluid Containing 51,000#'s of 20/40 Mesh Sand.								
4,334'-5,853'	3,517 Bbls of Delta 140 18# Gelled Fluid Containing 288,800#'s of 20/40 Mesh Sand.								
29. ENCLOSED ATTACHMENTS:								30. WELL STATUS:	
<input checked="" type="checkbox"/> ELECTRICAL/MECHANICAL LOGS <input type="checkbox"/> GEOLOGIC REPORT <input type="checkbox"/> DST REPORT <input type="checkbox"/> DIRECTIONAL SURVEY <input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION <input type="checkbox"/> CORE ANALYSIS <input checked="" type="checkbox"/> OTHER: <u>DOGM Form 7</u>								POW	

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 5/28/2014	TEST DATE: 6/19/2014	HOURS TESTED: 24	TEST PRODUCTION RATES: →	OIL – BBL: 82	GAS – MCF: 19	WATER – BBL: 31	PROD. METHOD: Rod Pump
CHOKE SIZE: 32/64	TBG. PRESS. 240	CSG. PRESS. 250	API GRAVITY 42.50	BTU – GAS 1	GAS/OIL RATIO 232	24 HR PRODUCTION RATES: →	INTERVAL STATUS: Open

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Used for Fuel

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof. Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
				Mahogany	2,710
				Garden Gulch	3,471
				B Marker	3,890
				X Marker	4,396
				Y Marker	4,431
				Douglas Creek	4,540
				B Lime	4,934
				Castle Peak	5,477
				Basal Carbonate	5,888
				Wasatch	6,159

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Rodrigo JuradoTITLE Regulatory Compliance SpecialistSIGNATURE DATE 10/27/2014

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940



Job Number: UT141415
 Company: Petroglyph Energy
 Lease/Well: 12-02-E4
 Location: Section 12 T5S, R4W
 Rig Name: Capstar 334
 RKB: 5922
 G.L. or M.S.L.: 5909

State/Country: UT/ USA
 Declination: 11.04
 Grid: True
 File name: C:\WINSERVE\UT141415.SVY
 Date/Time: 14-Apr-14 / 09:27
 Curve Name: Ute Tribal_12-02-E4_Actual

Payzone Directional Services LLC

WINSERVE SURVEY CALCULATIONS Minimum Curvature Method Vertical Section Plane 236.50 Vertical Section Referenced to Wellhead Rectangular Coordinates Referenced to Wellhead

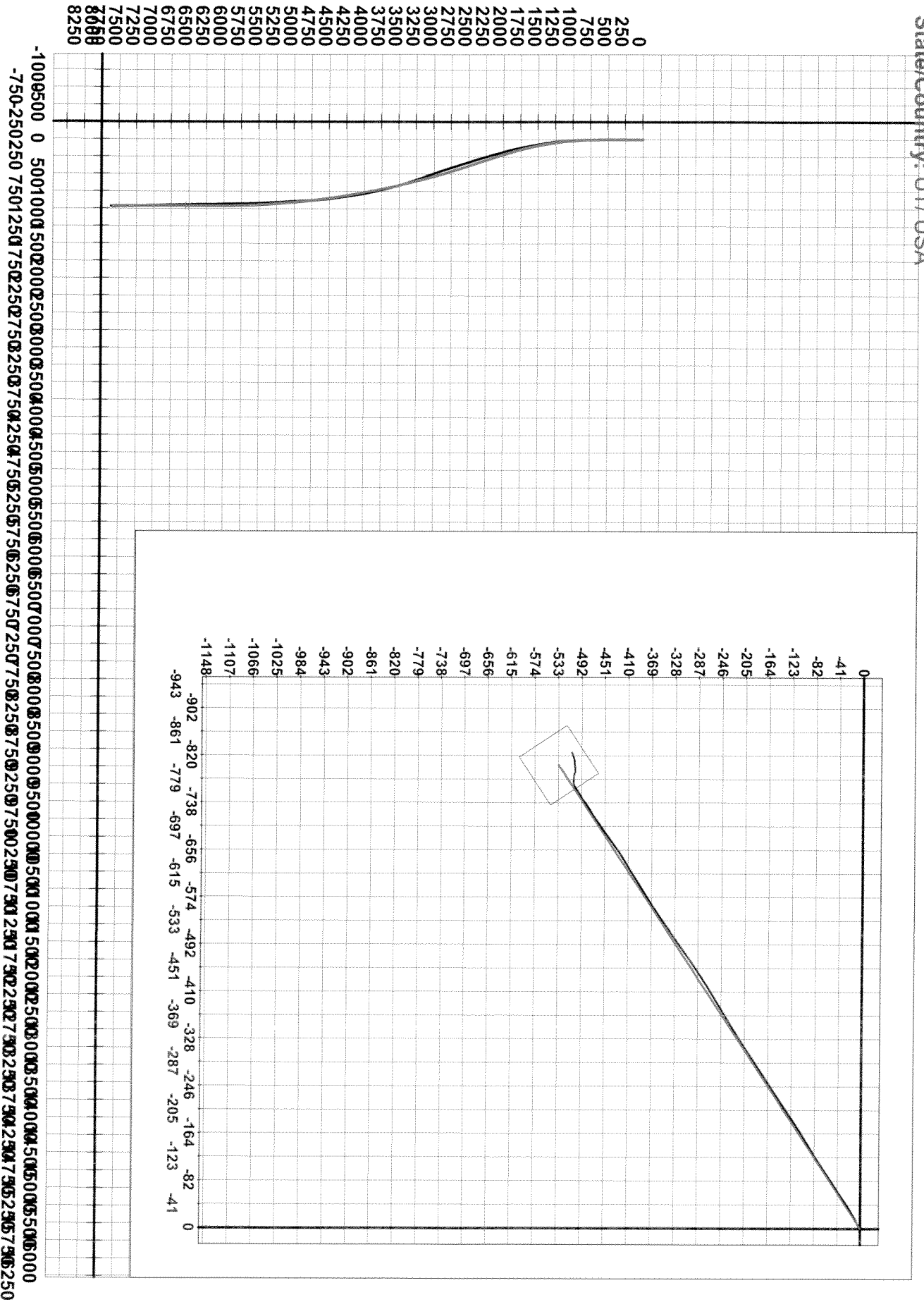
Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
.00	.00	.00	.00	.00	.00	.00	.00	.00	.00
564.00	.10	163.60	564.00	-.47	.14	.14	.49	163.60	.02
656.00	.60	223.40	656.00	-.90	-.17	.64	.91	190.67	.60
749.00	1.50	230.40	748.98	-2.03	-1.44	2.32	2.49	215.40	.98
871.00	2.60	247.90	870.90	-4.09	-5.24	6.62	6.64	232.02	1.03
962.00	3.40	241.20	961.78	-6.16	-9.51	11.34	11.34	237.06	.96
1054.00	4.40	243.50	1053.56	-9.05	-15.06	17.56	17.57	238.99	1.10
1145.00	5.50	241.60	1144.22	-12.69	-22.02	25.37	25.41	240.06	1.22
1236.00	6.80	239.90	1234.70	-17.46	-30.52	35.09	35.16	240.22	1.44
1327.00	8.40	235.40	1324.90	-23.94	-40.65	47.11	47.18	239.51	1.87
1418.00	9.40	235.20	1414.80	-31.95	-52.23	61.19	61.23	238.54	1.10
1510.00	10.00	236.70	1505.48	-40.63	-65.07	76.69	76.71	238.02	.71
1601.00	10.50	236.00	1595.03	-49.60	-78.55	92.88	92.90	237.73	.57

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S		E-W		Vertical Section FT	CLOSURE		Dogleg Severity Deg/100
				FT		FT			Distance FT	Direction Deg	
1692.00	11.70	235.50	1684.33	-59.46		-93.03		110.40	110.41	237.41	1.32
1783.00	12.30	237.20	1773.34	-69.94		-108.78		129.31	129.33	237.26	.77
1875.00	13.40	237.10	1863.03	-81.04		-125.97		149.77	149.79	237.25	1.20
1966.00	14.60	239.90	1951.33	-92.52		-144.75		171.77	171.79	237.41	1.51
2057.00	15.30	236.80	2039.25	-104.85		-164.72		195.22	195.25	237.52	1.17
2149.00	16.20	235.90	2127.79	-118.69		-185.50		220.19	220.22	237.39	1.01
2240.00	16.70	236.30	2215.07	-133.06		-206.89		245.96	245.98	237.25	.56
2331.00	16.70	235.80	2302.23	-147.66		-228.58		272.11	272.13	237.14	.16
2423.00	17.00	236.50	2390.28	-162.52		-250.73		298.78	298.79	237.05	.39
2514.00	17.60	237.20	2477.16	-177.31		-273.39		325.84	325.85	237.03	.70
2605.00	17.80	235.20	2563.86	-192.70		-296.37		353.50	353.51	236.97	.70
2696.00	17.40	236.50	2650.60	-208.15		-319.14		381.01	381.02	236.89	.62
2787.00	18.40	237.80	2737.19	-223.32		-342.64		408.98	408.99	236.91	1.18
2879.00	17.70	238.30	2824.66	-238.40		-366.83		437.47	437.49	236.98	.78
2970.00	19.10	239.80	2911.01	-253.16		-391.46		466.17	466.19	237.11	1.62
3061.00	20.20	237.30	2996.71	-269.14		-417.55		496.74	496.78	237.20	1.52
3153.00	20.80	236.60	3082.88	-286.71		-444.56		528.96	529.00	237.18	.70
3244.00	19.70	234.10	3168.26	-304.60		-470.47		560.44	560.47	237.08	1.54
3335.00	18.20	234.40	3254.33	-321.87		-494.45		589.97	589.99	236.94	1.65
3427.00	17.60	234.90	3341.87	-338.23		-517.52		618.23	618.24	236.83	.67
3518.00	16.60	234.80	3428.85	-353.63		-539.39		644.98	644.98	236.75	1.10
3609.00	15.40	237.20	3516.32	-367.67		-560.17		670.05	670.06	236.72	1.51
3701.00	15.00	239.10	3605.10	-380.40		-580.66		694.16	694.17	236.77	.69
3792.00	14.10	235.80	3693.19	-392.68		-599.93		717.01	717.02	236.79	1.34
3883.00	13.80	239.50	3781.50	-404.42		-618.45		738.93	738.94	236.82	1.03
3974.00	12.70	238.20	3870.08	-415.20		-636.30		759.77	759.79	236.87	1.25
4066.00	11.30	235.30	3960.07	-425.66		-652.31		778.89	778.91	236.87	1.66
4157.00	10.00	234.00	4049.50	-435.38		-666.03		795.70	795.71	236.83	1.45
4248.00	8.80	234.10	4139.28	-444.11		-678.06		810.55	810.56	236.78	1.32
4339.00	8.10	234.20	4229.29	-451.94		-688.90		823.91	823.92	236.73	.77
4431.00	7.80	235.30	4320.40	-459.29		-699.29		836.63	836.63	236.70	.37
4522.00	7.00	233.30	4410.64	-466.12		-708.81		848.34	848.34	236.67	.92
4614.00	6.20	240.70	4502.04	-471.90		-717.64		858.89	858.89	236.67	1.27
4705.00	5.40	240.20	4592.57	-476.43		-725.64		868.06	868.07	236.71	.88

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	C L O S U R E		
							Distance FT	Direction Deg	Dogleg Severity Deg/100
4796.00	4.80	233.30	4683.21	-480.83	-732.41	876.14	876.14	236.71	.94
4887.00	4.40	232.10	4773.92	-485.25	-738.22	883.42	883.42	236.68	.45
4978.00	3.90	233.30	4864.68	-489.25	-743.45	889.99	889.99	236.65	.56
5070.00	3.80	241.66	4956.47	-492.56	-748.65	896.15	896.15	236.66	.62
5161.00	3.70	243.30	5047.28	-495.31	-753.92	902.07	902.07	236.70	.16
5252.00	3.50	235.70	5138.10	-498.20	-758.84	907.76	907.77	236.71	.57
5343.00	3.30	230.70	5228.94	-501.42	-763.16	913.15	913.15	236.69	.39
5435.00	3.30	245.10	5320.79	-504.22	-767.61	918.40	918.40	236.70	.90
5526.00	2.70	269.00	5411.66	-505.36	-772.13	922.80	922.81	236.80	1.51
5617.00	2.30	278.90	5502.58	-505.11	-776.08	925.95	925.98	236.94	.65
5709.00	2.20	271.70	5594.51	-504.77	-779.67	928.76	928.81	237.08	.33
5800.00	2.30	266.40	5685.44	-504.84	-783.24	931.77	931.84	237.20	.25
5892.00	1.90	290.80	5777.38	-504.41	-786.51	934.26	934.36	237.33	1.05
5983.00	1.80	290.90	5868.33	-503.36	-789.25	935.97	936.11	237.47	.11
6074.00	1.30	276.90	5959.30	-502.73	-791.61	937.59	937.76	237.58	.69
6166.00	1.40	277.90	6051.27	-502.45	-793.76	939.23	939.42	237.67	.11
6257.00	1.10	264.00	6142.25	-502.39	-795.73	940.84	941.05	237.73	.47
6348.00	1.30	263.90	6233.23	-502.59	-797.63	942.53	942.76	237.78	.22
6440.00	1.00	265.70	6325.21	-502.76	-799.46	944.15	944.41	237.84	.33
6531.00	1.40	259.90	6416.19	-503.02	-801.35	945.87	946.14	237.88	.46
6622.00	1.30	262.60	6507.16	-503.34	-803.47	947.81	948.11	237.93	.13
6714.00	1.40	264.20	6599.14	-503.59	-805.62	949.75	950.07	237.99	.12
6805.00	1.50	266.90	6690.11	-503.77	-807.92	951.76	952.11	238.05	.13
6896.00	1.40	267.20	6781.08	-503.89	-810.22	953.74	954.12	238.12	.11
6988.00	1.30	255.10	6873.06	-504.21	-812.35	955.70	956.10	238.17	.33
7079.00	1.20	255.50	6964.03	-504.71	-814.27	957.58	958.00	238.21	.11
7170.00	1.10	253.60	7055.02	-505.20	-816.03	959.31	959.75	238.24	.12
7262.00	.97	256.70	7147.00	-505.63	-817.63	960.89	961.34	238.27	.15
7353.00	1.10	246.50	7237.99	-506.15	-819.18	962.47	962.94	238.29	.25
7444.00	1.10	249.40	7328.97	-506.81	-820.80	964.18	964.66	238.31	.06
7535.00	.80	253.70	7419.96	-507.29	-822.23	965.64	966.13	238.33	.34
7627.00	.80	247.90	7511.95	-507.72	-823.44	966.88	967.38	238.34	.09
7672.00	1.00	242.90	7556.94	-508.01	-824.08	967.58	968.08	238.35	.48
Projection to Bit @TD									
7727.00	1.00	242.90	7611.93	-508.45	-824.94	968.54	969.04	238.35	.00


 The logo for Puzzicon, featuring the word "PUZZICON" in a stylized, blocky font. The letters are white with a black outline, and the background is a dark, textured square.

Declination: 11 04



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 7

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well name and number: Ute Tribal 12-02-E4API number: 4301352400Well Location: QQ NENE Section 12 Township 5S Range 4W County DuchesneWell operator: Petroglyph Operating Company, Inc.Address: P.O. Box 607city Roosevelt state UT zip 84066Phone: (435) 722-2531Drilling contractor: ProPetro ServicesAddress: 1422 East 1500 Southcity Vernal state UT zip 84078Phone: (435) 789-1735

Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
0	512	0	No Water Encountered

Formation tops: 1 _____ 2 _____ 3 _____
(Top to Bottom) 4 _____ 5 _____ 6 _____
7 _____ 8 _____ 9 _____
10 _____ 11 _____ 12 _____

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge.

NAME (PLEASE PRINT) Rodrigo JuradoTITLE Regulatory Compliance SpecialistSIGNATURE DATE 3/14/2014

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-51206
2. NAME OF OPERATOR: QEP ENERGY COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 11002 EAST 17500 SOUTH CITY VERNAL STATE UT ZIP 84078		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: 680 FNL 853 FEL		8. WELL NAME and NUMBER: EM 1G-36-9-17
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENE 36 9S 17E S		9. API NUMBER: 4304752400
COUNTY: UINTAH		10. FIELD AND POOL, OR WILDCAT: EIGHT MILE FLAT
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 12/3/2013	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input checked="" type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

The EM 1G-36-9-17 was INTERIM reclaimed on December 03, 2013. All equipment was removed, the location and access road were recontoured, mulched, and seeded. The seed mix used was:

Grass ELEL5 Bottlebrush squirreltail Elymus elymoides VNS 2 PLS LBS/ACRE
Grass PASM Western wheatgrass Pascopyrum smithii Rosana 2 PLS LBS/ACRE
Grass ELLA3 Thickspike wheatgrass Elymus lanceolatus Bannock 3 PLS LBS/ACRE
Grass PLJA Galleta curly grass Pleuraphis jamesii Viva 1 PLS LBS/ACRE
Grass ACHY Indian ricegrass Achnatherum hymenoides Rimrock 4 PLS LBS/ACRE
Grass HECO26 Needle & thread grass Hesperostipa comata ssp. Comata VNS 1 PLS LBS/ACRE
Grass PSSP6 Bluebunch wheatgrass Pseudoroegneria spicata Secar 3 PLS LBS/ACRE
Grass POSE Sandberg bluegrass Poa secunda VNS 1 PLS LBS/ACRE
TOTAL: 17 PLS LBS/ACRE

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

RECEIVED
DEC 30 2014

NAME (PLEASE PRINT) STEPHANIE TOMKINSON	TITLE SR. BIOLOGIST
SIGNATURE 	DATE 12/30/2014

(This space for State use only)

INSTRUCTIONS

This form shall be submitted by the operator to show the intention and/or completion of the following:

- miscellaneous work projects and actions for which other specific report forms do not exist;
- all other work and events as identified in section 11, Type of Action, or as required by the Utah Oil and Gas Conservation General Rules, including:
 - minor deepening of an existing well bore,
 - plugging back a well,
 - recompleting to a different producing formation within an existing well bore (intent only),
 - reperforating the current producing formation,
 - drilling a sidetrack to repair a well,
 - reporting monthly the status of each drilling well.

This form is not to be used for proposals to

- drill new wells,
- reenter previously plugged and abandoned wells,
- significantly deepen existing wells below their current bottom-hole depth,
- drill horizontal laterals from an existing well bore,
- drill hydrocarbon exploratory holes such as core samples and stratigraphic tests.

Use Form 3, Application for Permit to Drill (APD) for such proposals.

NOTICE OF INTENT - A notice of intention to do work on a well or to change plans previously approved shall be submitted in duplicate and must be received and approved by the division before the work is commenced. The operator is responsible for receipt of the notice by the division in ample time for proper consideration and action. In cases of emergency, the operator may obtain verbal approval to commence work. Within five days after receiving verbal approval, the operator shall submit a Sundry Notice describing the work and acknowledging the verbal approval.

SUBSEQUENT REPORT - A subsequent report shall be submitted to the division within 30 days of the completion of the outlined work. Specific details of the work performed should be provided, including dates, well depths, placement of plugs, etc.

WELL ABANDONMENT - Proposals to abandon a well and subsequent reports of abandonment should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, and method of parting of any casing, liner, or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

In addition to any Sundry Notice forms submitted, Form 8, Well Completion or Recompletion Report and Log must be submitted to the division to report the results of the following operations:

- completing or plugging a new well,
- reentering a previously plugged and abandoned well,
- significantly deepening an existing well bore below the current bottom-hole depth,
- drilling horizontal laterals from an existing well bore,
- drilling hydrocarbon exploratory holes such as core samples and stratigraphic tests,
- recompleting to a different producing formation.

Send to:

Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

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DEC 30 2014

DIV. OF OIL, GAS & MINING